Agility™

Flexible Wireless Solution

Engineer Manual

RISCO GROUP

Creating Security Solutions with Care.

Important Notice

This guide is delivered subject to the following conditions and restrictions:

- This guide contains proprietary information belonging to RISCO Group. Such information is supplied solely for the purpose of assisting explicitly and properly authorized users of the system.
- No part of its contents may be used for any other purpose, disclosed to any person or firm, or reproduced by any means, electronic or mechanical, without the express prior written permission of RISCO Group.
- The information contained herein is for the purpose of illustration and reference only.
- Information in this document is subject to change without notice.
- Corporate and individual names and data used in examples herein belong to their respective owners.

Compliance Statement

Hereby, RISCO Group declares that the Agility series of central units and accessories are designed to comply with:

- EN50131-1, EN50131-3 Grade 2
- EN50130-5 Environmental class II
- EN50131-6 Type A
- UK: DD243:2004, PD 6662:2004, ACPO (Police)
- USA: FCC: Part 15B, FCC part 68
- CANADA: CS-03, DC-01

All rights reserved.
© 2010 RISCO Group March 2010

Table of Contents

CHAPTER 1 INTRODUCTION 1-1

ARCHITECTURE 1-2
MAIN FEATURES 1-3
TECHNICAL SPECIFICATIONS 1-4

CHAPTER 2 INSTALLING THE AGILITY 2-1

AGILITY MAIN COMPONENTS 2-1
MOUNTING THE AGILITY 2-2
Choosing the mounting location 2-2
Wall Mounting the Agility 2-2
Connecting the Backup Battery 2-5
Connecting the Agility to Power Supply - Configuration A 2-6
Ground Connection 2-6
Connecting the Agility to Power Supply - Configuration B 2-7
Completing Installation 2-8
DIP switch setting 2-8
Connecting a telephone line to the Agility 2-9
Connecting a network cable to the Agility 2-10
SIM Card Installation 2-11
External Audio Unit 2-12

CHAPTER 3 ENGINEER PROGRAMMING 3-1

PROGRAMMING METHODS 3-1
Configuration Software 3-1
Wireless Keypad 3-1
Engineer Keypad 3-2
PTM: Data Storing Device 3-2
WIRELESS DEVICE ALLOCATION 3-4
Quick Allocation using the main unit button 3-4
Allocation using the keypad 3-4
Allocation using the Configuration Software 3-5
Transmitters Write Message Method 3-7
DELETING WIRELESS ACCESSORIES 3-7

CHAPTER 4 ENGINEER MENUS 4-1

USING THE AGILITY KEYPAD KEYS 4-1
ACCESSING THE ENGINEER MENUS 4-2

PROGRAMMING MENU 4-2
1. Programming: System Menu *4-2*
1.1 Timers 4-3
1.2 Controls 4-5
1.3 Labels 4-14
1.4 Sounds 4-15
1.5 Settings 4-16
1.6 Service Information 4-17
1.7 Firmware Update 4-17
2. Programming: Radio Devices Menu *4-18*
2.1 Allocation 4-18
2.2 Modification 4-18
2.3 Identification 4-41
3. Programming: Codes Menu *4-42*
3.1 User 4-42
3.2 Grand Master 4-43
3.3 Engineer 4-43
3.4 Sub-Engineer 4-43
3.5 Code Length 4-44
3.6 DTMF Code 4-44
3.7 Parent Control 4-44
4. Programming: Communication Menu *4-45*
4.1 Method 4-45
4.2 Alarm Receiving Center 4-53
4.3 Configuration Software 4-59
4.4 Follow-Me 4-61
5. Programming: Audio Messages Menu *4-67*
5.1 Assign Message 4-67
5.2 Local Message 4-67
TESTING MENU 4-69
1. Main Unit *4-69*
2. Zone *4-70*
3. Remote Control (Keyfob) *4-70*
4. Keypad *4-71*
5. Sounder *4-71*
6. GSM *4-72*
7. IP Unit *4-72*
8. PO Unit *4-73*
ACTIVITIES MENU 4-74
FOLLOW ME MENU 4-75

CLOCK MENU 4-75
EVENT LOG MENU 4-76
MACRO MENU 4-76
Programming Macro Keys *4-76*
Activating a Macro *4-77*

APPENDIX A REPORT CODES A-1

APPENDIX B ENGINEER EVENT LOG MESSAGES B-1

APPENDIX C LIBRARY VOICE MESSAGES C-1

APPENDIX D EN 50131 COMPLIANCE D-1

APPENDIX E INSTALLER PROGRAMMING MAPS E-1

Chapter 1 Introduction

The Agility is a Flexible Wireless Security Solution that incorporates state-of-the-art wireless and communication technology. Agility is ideal for installation in any home or office environment and supports RISCO Group's extensive range of one-way and two-way wireless security and safety devices, keypads, remote controls, keyfobs, panic buttons, fully wireless sounders and other accessories.

Main Benefits:

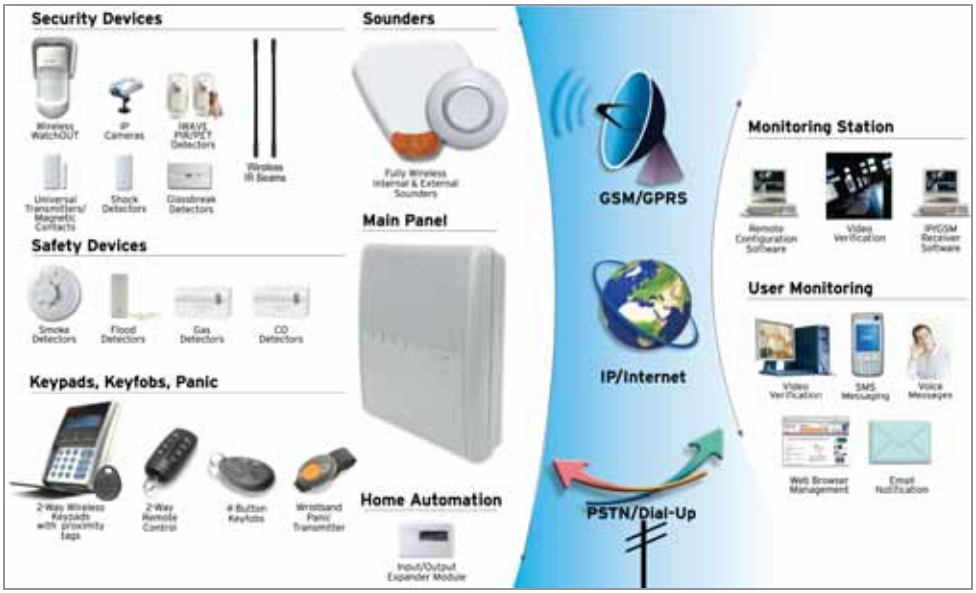
- Flexible Plug-in Communication
  - IP Module
  - GSM/GPRS Module
  - Fast PSTN Module
- Use any single module, any combination or all three modules for backup, or no communication for audible only installations
- 2-Way Wireless Keypad with full programming capability
- 2-Way 8 button Wireless Remote Control with code protection, key-lock and system status request and indication
- 2-way voice communication
- Easy enrolling of Wireless Devices without a keypad
- Remote enrolling according to Device ID
- Combine one–way or two-way transmitters in the same system
- Flash memory for easy firmware upgrade
- Simple physical installation with wall brackets
- Separate main panel, can be hidden for higher security
- Program Transfer Module (PTM) for program backup
- Simplified menu logic (only menus of installed devices are displayed, only menus according to the authorization code are displayed)

Main Features:

- 32 wireless zones
- 3 partitions
- Up to 3 bi-directional wireless keypads
- Up to 8 Remote Control keyfobs (combination of 8 or 4 button) or one way
- Input/Output module:
  - 2-way wireless communication to the Agility
  - Local transformer with rechargeable backup batteries
  - 4 wired zones with selectable EOL resistance & 4 outputs (2x3A relay and 2x500mA)
  - Includes X-10 connection
- 32 user codes
- 250 event log
- Uses regular Sealed Lead Acid Battery 6V 3.2 Ah.

Architecture

The following diagram provides an overview of the Agility's architecture and capabilities. Examine the figure before beginning with your Agility installation to obtain an overall picture of the full extent of the Agility system capabilities.



Note: The web browser feature will be available for user monitoring in future versions of Agility.

Main Features

The following illustration describes the main features of the Agility:

Detectors
- 32 Wireless zones:
- 4 Wired zones via optional Wireless I/O Expander
- Total zones: 36
- More than 25 zone types
- Full zone supervision
- 2-way and 1-way detectors combined on the same system

Sounders
- Built-in sounder
- Fully wireless external and internal wireless sounders
- Add up to 3 Sounders

Alarm Receiving Center
- Remote programming, diagnostics and communication test.
- Report to 3 ARC.
- Report thought PSTN, GSM, GPRS or IP.
- ARC polling through IP network.
- Account number for each ARC.
- Flexible split reporting for backup.
- Call Save mode for non-urgent reports.
- Remote device enrollment.

Communication:
- Flexible communication over GSM/GPRS, IP or PSTN.
- Backup capability between the communication methods.
- Supports major reporting formats.
- Add on module for each communication type.

Engineer Programming:
- Local /Remote using configuration software
- Program transfer module.
- Full programming using bi-directional wireless keypad.
- Flexible device enrollment by serial ID serial number or by RF allocation.
- Keypad programming menu adjusted to existing hardware.

Bi-directional Keypad
- Fully Wireless
- LCD display
- S.O.S / Two way communication emergency key
- Double tamper protection (Box & Wall)

User Operating Tools:
- Bi-directional 8 button key fob
- Bi-directional Keypad
- 4 button keyfob
- Remote phone operation
- SMS
- Configuration software
- Web browser (will be available in future versions of Agility).

Codes:
- 1 engineer code
- 1 sub engineer code
- 1 grand master code
- 32 user codes
- 4 authority level
- Optional 4 or 6 digits code definition

Home Automation
- 4 outputs via wireless I/O expander
- 16 X-10 outputs via wireless I/O expander
- Outputs can follow system , partition, zone or user events
- Outputs can be scheduled, or activated automatically, or by user command (SMS, web browser or remote phone)

Follow Me:
- 16 follow me destinations
- Follow me can be defined as voice message, SMS or Email
- User control over the system
- Security code protection

Voice capabilities:
- 2-Way communication
- Remote phone operation
- Full voice menu guide
- System event messaging
- Local announcement messages
- Voice description for zones, partitions, etc.

Wireless Features:
- Signal jamming indication
- Receiver calibration
- 868MHz/433 MHz radio frequencies
- Programmable supervision time
- Tamper detection in transmitters
- Low battery detection in transmitters

False Code Reduction:
- Swinger shutdown
- Zone crossing
- Report delay to ARC
- Abort alarm feature
- Soak test
- Final exit zone

Technical Specifications

The following technical specifications are applicable for the Agility:

Electrical Characteristics	
Power	230VAC (-15%+10%), 50Hz, 50mA
Units consumptions	Main board: Typical 130mA GSM: Stand by 35mA, Communication 300mA Modem: Stand by 20mA, Communication 60mA IP Card: 90mA (Max)
Backup battery	Sealed Lead Acid Battery 6V 3.2 Ah
Internal Sounder intensity	90 dBA @1m
Operating temperature	-10°C to 40°C (14°F to 131°F)
Storage temperature	-20°C to 60°C (-4°F to 140°F)
Physical Characteristics	
Dimension	268.5 mm x 219.5 mm x 64 cm (10.57 x 8.64 x 2.52 inch)
Weight (no battery)	1.31Kg (Full configuration) GSM module: 0.045 Kg
Wireless Characteristics	
Radio Immunity	According to EN 50130-4
Frequency	868.65 MHz/433.92 MHz

Chapter 2 Installing the Agility

This chapter covers the installation procedures of the **Agility**, as follows:

- Agility Main Components, page 2-1
- Mounting the Agility, page 2-2
- Choosing the mounting location, page 2-2
- Wall Mounting the Agility page 2-2
- Connecting the Backup Battery, page 2-5
- Connecting the Agility to Power Supply, page 2-6
- Ground Connection, page 2-6
- DIP switch setting, page 2-8
- Connecting a telephone line to the Agility, page 2-9
- SIM Card Installation, page 2-9
- External Audio Unit, page 2-12

Agility Main Components

The illustration below shows the internal components (when the Mounting Bracket is disassembled from the Back Panel).

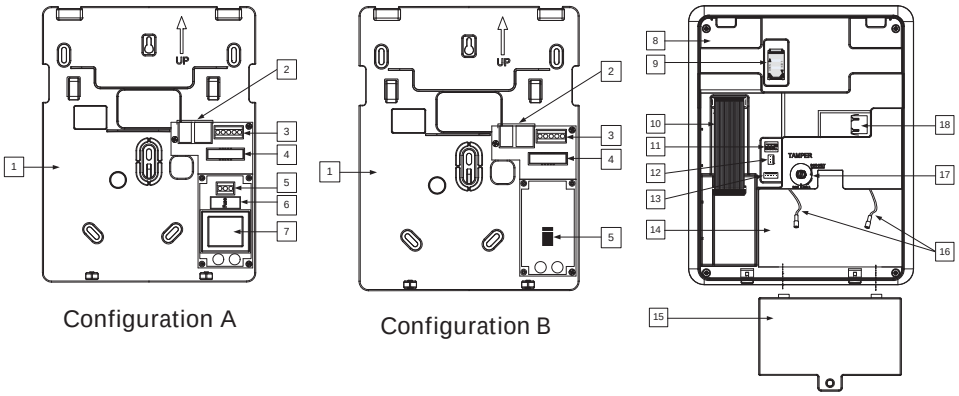


Figure 1: Agility Main Components

1. Installation Bracket
2. Telephone Jacks
3. Audio Unit terminals
4. Ribbon flat cable jack
5. AC connection terminals/DC Socket
6. Fuse
7. Transformer
8. Back Panel
9. SIM Card socket
10. Ribbon flat cable
11. DIP Switches
12 PTM connector
13 RS 232 communication connector
14. Battery compartment
15. Battery compartment cover
16. Battery fling leads
17. Tamper switch
18. IP Card network connector

Mounting the Agility

IMPORTANT: The Agility has no user replaceable parts (for instance: power cord, fuse, battery, etc.) only certified engineers are allowed to replace faulty parts.

Choosing the mounting location

Before you mount the **Agility**, study the premises carefully in order to choose the exact location of the unit for the best possible coverage and yet easily accessible to prospective users of the alarm system.

The mounting location of the **Agility** should be:

- Try to centrally locate the system between all the transmitters.
- Near an uninterrupted AC outlet.
- Near a telephone outlet.
- Far from sources of interference, such as:
  - Direct heat sources
  - Electrical noise such as computers, televisions etc.
  - Large metal objects, which may shield the antenna.
- In a place where the alarm can be heard during Part Setting mode.

Wall Mounting the Agility

The **Agility** is comprised of two sub-assemblies:

- Mounting bracket,
- Main unit which in its turn is comprised from:
  - Front panel (not disassembled on a regular installation procedure)
  - Back panel

The mounting bracket is mounted on the wall, using the supplied proper hardware, as described below:

To mount the Agility on the Wall:

1. Separate the Mounting bracket as follows:
   a. Release the Mounting bracket captive locking screws (1, Figure 2) located at the bottom of the unit by turning screws counterclockwise.

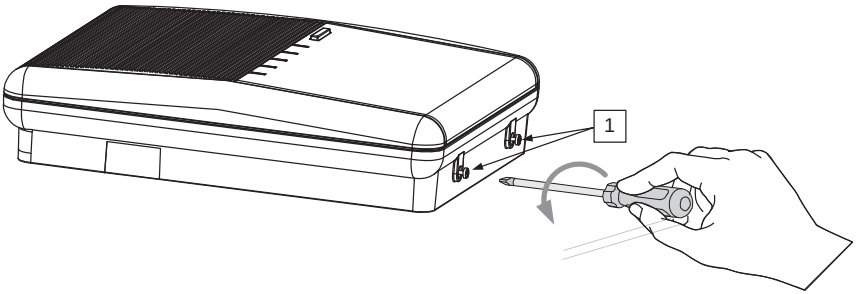


Figure 2: Mounting Bracket screws

b. Gently, pull up the Mounting bracket to a 45° angle and slide it down to release the Mounting bracket (2, Figure 3) from the two locking tabs (1, Figure 3) at the top of the unit.

Note: Do not open the Mounting bracket to a larger angle in order not to break the two top tabs and not to tear up the ribbon flat cable connecting the power supply unit to the front panel (PCB).

c. Disconnect the ribbon flat cable (3) from the power supply unit while leaving it connected to the Main panel.

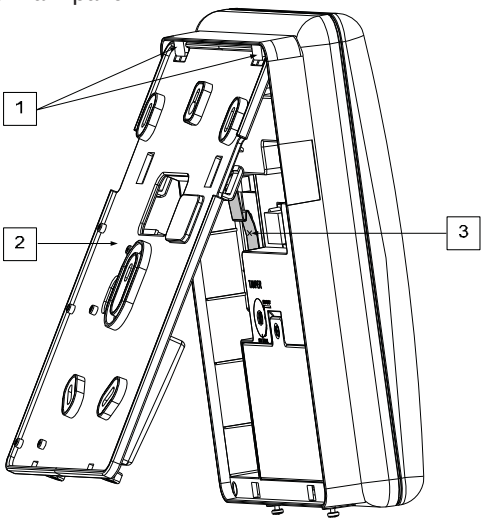
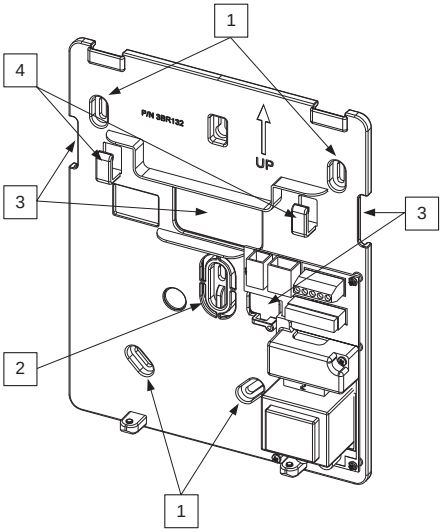
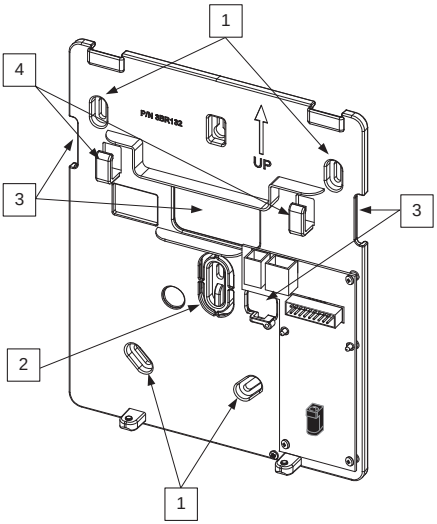


Figure 3: Mounting Bracket removal

2. Hold the Mounting bracket against the wall as a template and mark the locations for the mounting holes (5 mounting holes item 1, and an additional hole for securing the tamper protection bracket item 2, are available, see Figure 4).
3. Drill the desired mounting holes and place the screw anchors. Use the supplied 5 Philips pan head screws to attach the Mounting bracket to the wall (ST4.2 mm x 32 mm DIN 7981).
4. According to the location of the wall cables, route and insert the wires and cables via the cable's openings (3) (including AC cable and telephone cable), see figure 3.
5. If required, remove cable knockouts (5) to allow wire passage.
6. Anchor cables with dedicated hooks (4).



Configuration A



Configuration B

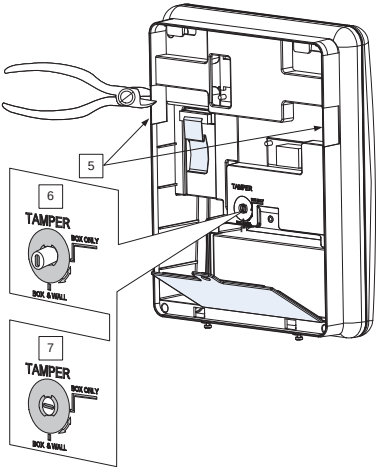


Figure 4: Wall Installation

7. Adjust the Tamper switch (using a flat screwdriver) according to your preferred configuration.
   a. Box and Wall configuration (see Figure 4, detail 6) - Triggers the tamper when the box or the wall mounting are tampered.
   b. Box only configuration (see Figure 4, detail 7) – Triggers the tamper when the box is tampered.

Connecting the Backup Battery

The **Agility** has safety approved, sealed lead acid 6V, 3.2 Ah rechargeable backup battery used in time of main power failure:

Note: The battery is supplied with the **Agility**.

To insert the Backup battery:

Remove the battery compartment cover screw (see Figure 5,3) located at the top of the cover by turning screw counterclockwise and pull the Agility battery cover outward.

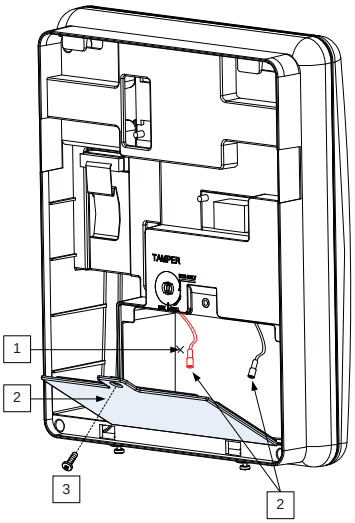


Figure 5: Battery Compartment

a. Insert the battery into its place and connect the flying leads to the battery according to the correct polarity (Red +) (Black -).

b. Return the battery compartment cover (after placing the battery in) and secure with locking screw.

Note: The Agility Rechargeable battery should be charged for at least 24 hours.

Important: When replacing the battery be sure to buy the same type. Failure to comply with this instruction may result in damage to personnel and/or equipment.

Dispose of used batteries according to the proper instructions.

Connecting the Agility to Power Supply - Configuration A

Note: The Agility panel is permanently connected to the mains. The connection must be made according to your country's local regulations. As a general guideline, connect the Live Neutral and Ground using a safety approved 3-wire 18AWG power cable (14-mm minimum diameter flexible PVC cable which complies with IEC60227). The cable should be brought to the Agility panel in a protective plastic conduit (diameter - 16mm minimum).

A 2-pole 16A circuit breaker and earth leakage protector should be used to disconnect the live conductor, and should be provided as part of the building installation.

The Agility is powered by a safety approved 230VAC.

1. Remove the power supply unit cover (Figure 6, 1).
2. Connect the power wire (Safety approved, SVT, 18AWG, 0.75mm^2) to the power terminal located on the power supply unit (TB1) (2, Figure 6).

Note: The power wire is not supplied with the **Agility**.

3. DO NOT connect the cable to the wall power supply at this point.

Ground Connection

Grounding provides a degree of protection against lightning and induced transients for any piece of electronic equipment that may, due to lightning or static discharge, experience permanent or general malfunctions. The ideal ground is considered to be a unified earth ground in which an 8-foot copper-clad rod, located close to the existing power and telephone ground rods, is sunk several feet into the earth. Appropriate hardware and clamps are then used to electrically connect each of these rods together and then to the ground terminal of the device to be protected.

It may be possible to use an existing electrical ground on the premises if one is close enough to the Agility. When connecting the ground wire, use a solid 14-gauge wire [or larger (numerically *lower*) size]. Keep this wire as short as possible and do not run it in conduit, coil it, bend it sharply, or run it alongside other wiring. If you must bend it or change its direction, it should have a radius of at least 8 inches at the point from which it is bent. If in doubt, you may want to enlist the help of a licensed electrician in matters concerning such grounding.

To connect to ground (Earth):

Connect between the Agility's ground terminal and an acceptable electrical ground connection for the lightning transient protective devices in this product to be effective.

Important: Connecting to ground must be performed according to the local National Electrical Code.

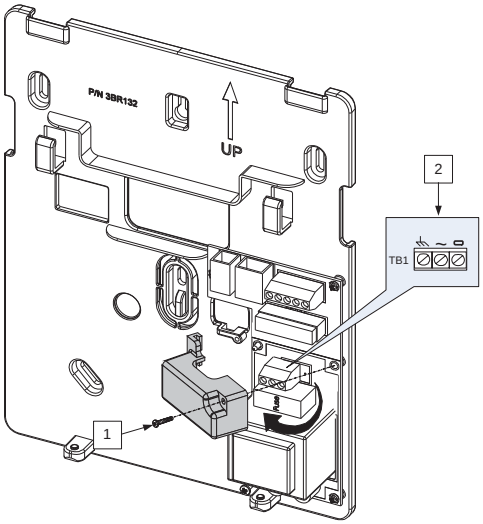


Figure 6: Connecting AC Power wires

Connecting the Agility to Power Supply - Configuration B

1. The Agility is powered by a 9VDC/1.0A Transformer.
2. Connect the transformer power jack to the power supply located on the power supply card (1, Figure 6A).
3. DO NOT connect the transformer inlet cable to the wall power supply at this point.

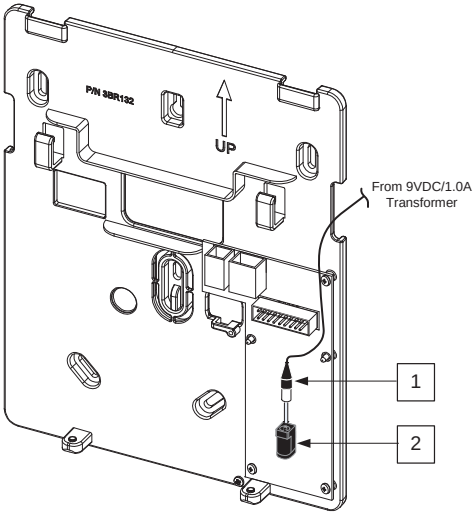


Figure 6A: Connecting DC Power Cable

Completing Installation

1. Set the DIP Switches according to the DIP Switch Setting section (see page 2-8).
2. Connect the ribbon flat cable between the main panel and the mounting bracket (J1).
3. Mount the Main unit to the mounting bracket using captive locking screws.
4. Plug in the power cable to the wall power outlet.
5. Power up the Agility.

DIP switch setting

Factory Default

DIP Switch 1 (E-A): External Audio: Used to define if the voice of the Agility will go from the main unit or from an External Audio Unit. When the external unit is connected to the Agility the voice will be heard only through the Audio voice unit.

ON: External Audio Unit is connected to the Agility

OFF (Default): External Audio unit not connected to the Agility.

DIP Switch 2 (DFLT): Default jumper: Used when performing the following 3 operations:

1. To return engineer, sub-engineer and grand master codes to their default factory values. Set this DIP switch to **ON**, disconnect all power and then reconnect the power.

Note: Code Length does not change.

2. To manually erase wireless devices. Set this DIP switch to **ON** while power is connected. Execute a long press on the main unit button until a beep, indicating that all wireless devices have been erased, is heard.
3. To save or transfer data to or from the PTM device.

ON: To transfer data from the PTM to the panel.

OFF: To transfer data from the panel to the PTM. (Refer to *Chapter 3* for these procedures.)

DIP Switch 3 (PRGM): Enables loading local software updates to the Agility

ON: software updates to the Agility can be loaded

OFF (Default): software updates to the Agility can not be loaded

DIP Switch 4 (BAT): Defines the Battery Discharge Protection option settings

ON: Battery Discharge Protection is OFF: The battery may be totally discharged during continuous AC failure, thus battery replacement may be required (no deep discharge protection).

Note: In this position the Agility will start to operate from a battery power supply whether it is connected to the Mains or not.

OFF (Default): Battery deep Discharge Protection is ON: If an AC power outage occurs, the Agility automatically disconnects the battery when its backup battery voltage drops below 5.8 VDC, in order to prevent "deep discharge" that may damage the battery.

Note: In this position the Agility will not start to operate from a battery power supply, unless connected to the Mains first.

Connecting a telephone line to the Agility

Connect the system to a telephone line if the system configuration includes an internal modem (identical for Configuration A and B).

1. Connect the incoming telephone line to the plug-in CONN2 jack RJ11 (pins 2, 3) or to plug-in CONN3 RJ31 (pins 4, 5) (see Figure 7: Telephone Line Jacks).
2. Connect any telephone on the premises to the plug-in CONN2 jack RJ11 (pins 1, 4) or to plug-in CONN3 RJ31 (pins 1, 8) (see Figure 7: Telephone Line Jacks).

NOTE: To ensure line seizure capability, and comply with FCC part 68 regulations, the equipment must be connected directly to the Phone company lines ('CO'). Whether connected via RJ11, RJ31, the line port must be connected to the CO lines without any other phones or other telecom equipment between them. Other telecom equipment can be connected only after (in series) the alarm panel.

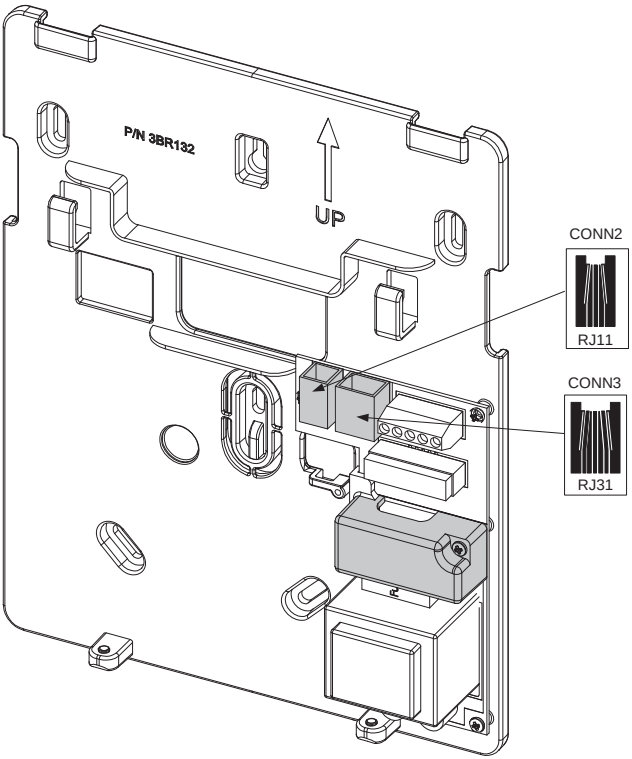
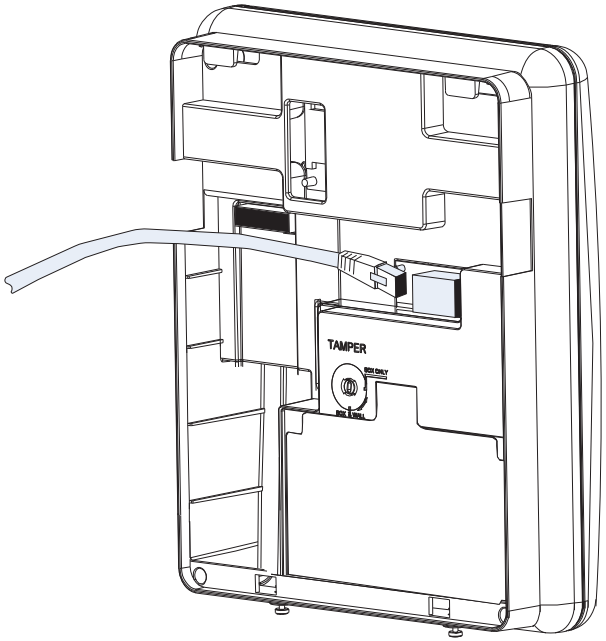


Figure 7: Telephone Line Jacks

Connecting a network cable to the Agility

If your Agility is equipped with an IP Card, you should connect the incoming network cable in order to enable IP Communication.

1. Separate the Agility from the mounting bracket.
2. According to the location of the network cable, route and insert the cable via the cable's openings (see figure 3).
3. If required, remove cable knockouts (5, Figure 3) to allow cable passage.
4. Connect the incoming network cable to the plug-in.



SIM Card Installation

If your Agility is equipped with a GSM/GPRS module, you should insert a SIM card in order to enable communication through the GSM/GPRS network.

1. Insert the SIM into the dedicated SIM card slot located on the rear side of the back panel (See Figure 1: Agility Main Components).

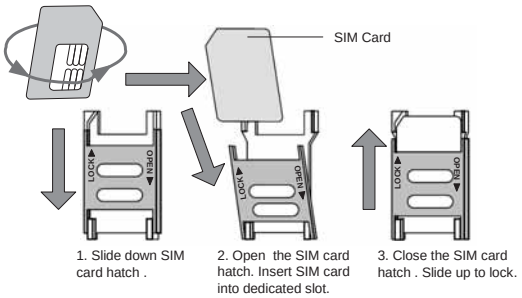

SIM Card
LOCK
OPEN
1. Slide down SIM card hatch .
2. Open the SIM card hatch. Insert SIM card into dedicated slot.
3. Close the SIM card hatch . Slide up to lock.

Figure 8: SIM Card Insertion

Important: Do not install SIM card while power is applied to the Agility.
Do not touch SIM Card connectors! If doing so, you may release an electrical discharge that could damage the SIM card.

2. If a PIN code is required for the SIM card, the Agility will indicate a PIN code fault. To fix the fault, and thus enable the SIM card to operate properly, enter the PIN code number, located in the Communication > GSM parameters menu.

Note: Ensure that you have the PIN code. Be aware that after three wrong attempts (recognized by the SIM card) to enter a PIN number, the SIM card will lock.
You will have to contact your local cellular provider to unlock the SIM card.

3. If you want to disable the SIM PIN code you should follow the steps:
   a. Insert the SIM card into a standard GSM mobile phone.
   b. Insert the PIN code.
   c. Access the phone security menu and selecting PIN OFF. Once done, re-test by switching the phone OFF, then switching ON. The PIN code should not be requested again.
4. Once the SIM card is placed it is recommended to test the operation of the SIM by conducting a call and testing the GSM signal strength. For more information refer to the programming menus of the GSM menu.

Note: In some countries an SMS center phone number might be required in order to enable SMS messaging. This phone number is provided by the provider. Programming the SMS center phone into the SIM can be done using a standard GSM mobile phone or from the Agility keypad or configuration software.

External Audio Unit

The Agility enables to connect an external Audio Unit instead of the internal unit in order to listen to the system's audio messages in a distance from the main unit. In addition the unit enables you to talk into your premises.

To connect the Audio unit:

1. Wire the Audio unit to the Agility as displayed in the Wiring Diagram described in Figure 9. The terminals for wiring the Audio Unit to the Agility are located on mounting bracket the Agility.
2. Set DIP Switch 1 (E- A) (**External Audio)** to **On** position**.**

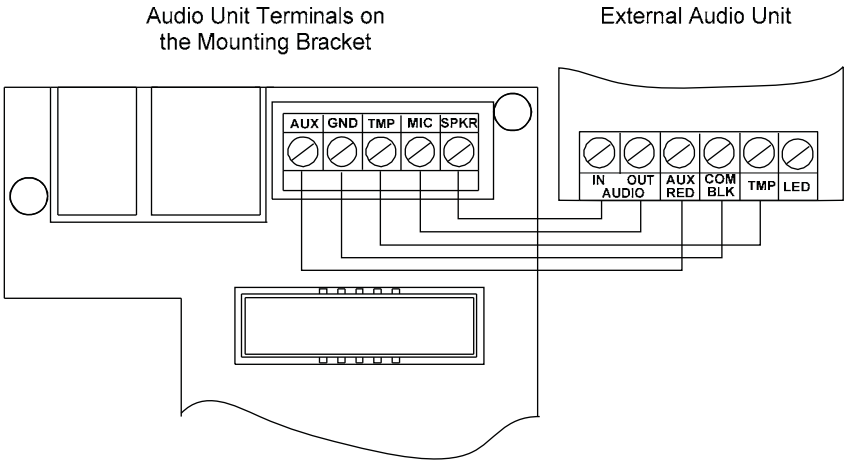


Figure 9: Wiring the External Audio Unit to Agility

Chapter 3 Engineer Programming

Programming Methods

There are 4 available options for programming the Agility:

- Configuration Software
- Wireless Keypad
- Engineer Keypad
- PTM

Configuration Software

A software application that enables you to program the Agility from a PC computer. It offers the following alternatives:

- Working locally, through a portable computer connected to the Agility via cable
- Working at a remote site, communicating with the Agility via a phone line, modem or IP address.

For further information on programming the Agility via the Configuration software, refer to the *Agility Configuration Software* manual.

Wireless Keypad

The Agility can be fully configured via the wireless keypad.

Notes:

1. The Agility can be programmed via any of the 2 way keypads in your system, but only using one keypad at a time for programming.
2. During engineer programming, the keypad will turn off after 4 minutes if no entry has been made to the keys. Press any button to restore the keypad. It will display the last parameter you were working on.

To program the Agility via the Wireless Keypad, follow this procedure:

1. Perform system device allocation for the keypad (refer to page 3-4).
2. Press and enter the engineer code (default code is 0132). The keypad will sound a confirmation sound.

Note: If a Grand Master code is required to confirm the engineer code, it should be entered at this stage after the engineer code.

3. Go to the Programming menu and press (#?). Once the panel is in programming mode, the Agility main unit LEDs will flash simultaneously and a confirmation sound will be heard.

Note: The engineer can also program user activities by selecting the Activities menu instead of the Programming menu. Use the buttons to navigate between the menus.

Engineer Keypad

For those systems that do not have keypads, RISCO Group offers the Agility engineer a temporary keypad to be used as any Agility wireless keypad for configuring a system. An hour after exiting the programming mode the Engineer Keypad will be erased from the Agility memory or when power is lost to the system.

To program the Agility via the Engineer Keypad, follow this procedure:

1. To allocate the Engineer Keypad into the system perform a short press on the main unit button.
2. Press the buttons on the keypad simultaneously until the following message appears:

   ```
   Insert GM Code
   ```

3. Enter the Grand Master code and press (#?). The following confirmation message is heard: “Engineer Keypad Allocated”.

   Note: When a wrong Grand Master code is entered, the keypad will be deleted. To continue this procedure, perform reallocation of the keypad.

4. Follow steps 2 and 3 of the wireless keypad (see page 3-1) to begin programming the system.

PTM: Data Storing Device

The PTM is a tiny circuit board into which the Agility panel can transmit a copy of the system's configuration. The PTM stores this copy and can also transmit the configuration information back to the Agility panel.

To transfer the system configuration from the panel to the PTM, follow this procedure:

1. Disconnect the flat cable and remove the Agility main unit from its wall bracket.

Note: Make sure the battery is inserted into the main unit.

2. Make sure that Dipswitch 2 is set to OFF (default setting).
3. Place the PTM onto the 5-pin PTM located on the rear of the main unit PCB. The PTM LED will turn on.
4. Press the main unit button for 5 seconds. The PTM LED will flash quickly during the transmission of information to the PTM.
5. Once transmission is complete, the panel will sound a confirmation beep and the PTM LED will stop flashing and turn on steady.
6. Disconnect the PTM from the main unit.
7. Reconnect the flat cable to the main unit and replace the main unit in its wall bracket.

To transfer the system configuration from the PTM to the Agility panel, follow this procedure:

1. Disconnect the flat cable and remove the Agility main unit from its wall bracket.

Note: Make sure the battery is inserted into the main unit.

Make sure that the Default Enable system flag is on

---

2. Set Dipswitch 2 to ON.
3. Place the PTM onto the 5-pin PTM connector located on the main unit PCB.
4. All LEDS on the main unit will begin to flash simultaneously. The PTM LED will flash quickly during the transmission of information to the panel.
5. Once transmission is complete, the panel will sound a confirmation beep.

Note: If the procedure fails the panel will make 3 short error beeps, and you will need to do the procedure again

---

6. Disconnect the PTM from the main unit.
7. Reset Dipswitch 2 to OFF.
8. Reconnect the flat cable to the main unit and replace the main unit in its wall bracket.

Wireless Device Allocation

Each wireless device must identify itself to the system receiver. The following section describes the different ways to allocate all of your devices to the system in order to later configure each device's parameters

The learning procedure between the wireless devices and the main unit can be performed either from the main unit, a wireless keypad or via the Configuration Software.

Quick Allocation using the main unit button

To perform quick allocation using the main unit button, follow this procedure:

Note: To enable Quick Allocation mode the System bit "*Quick Learn*" should be enabled.

1. Set the main unit to Learn mode with a long press on the main unit button. Each LED will light up one after another.

Note: The unit will sound each time you enter or exit the Learn mode.

2. Send a transmission from each device (refer to the *Transmitters write message method* table in section). The system will automatically identify each device according to different categories (for example: detectors, sounders, keypads, remote controls etc.) and enter each device and its default value into the unit's memory. Each device receives an index number from the system.
3. Exit the Learn mode with a short press on the main unit button.

Allocation using the keypad

It is possible to perform allocation via the keypad in two different ways: RF Allocation or by entering the device's serial code.

To perform RF Allocation via the keypad, follow this procedure:

1. Go to the Engineer menu and select Programming → Radio Device → Allocation → 1) RF Allocation. The system immediately goes into Learn mode.
2. Send a transmission from the device. (See table: *Transmitters write message method*)
3. The main unit will acknowledge the transmission with a sound. When the system recognizes the device the keypad LCD will display the device's serial number and category. The system also automatically allocates the device the next available index number.

To perform allocation via the keypad using a serial code, follow this procedure:

1. Go to the Engineer menu and select Programming → Radio Device → Allocation → 2) By Code. Enter the device's 11 digit serial code number.

2. The system automatically recognizes the device and allocates it the next available index number. The system will sound the device type that has been allocated and the place it has been allocated to.

To allocate zones to a predefined place via the keypad follow this procedure:

Compared to the RF and Code allocations mentioned before, where the wireless elements are allocated automatically by the system to the first available place, when it comes to zones allocation the Agility also enables the allocation of zones to a pre-defined location.

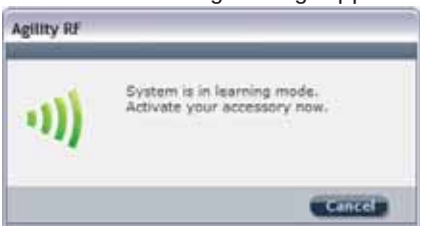
1. Go to the Engineer menu and select Programming → Radio Device → Allocation → 3) Zone Allocation.
2. Select the zone number to which you want to assign the detector and press (#?) .
3. Using the arrow keys select the allocation method: RF or Code allocation.
   - RF allocation: Send a transmission from the device. (See table: *Transmitters write message method*)
   - Code allocation: Enter the device's 11 digit serial code number.
4. The system allocates the detector into the selected index number. The system will sound the device type that has been allocated and the place it has been allocated to.

Allocation using the Configuration Software

It is possible to perform wireless device allocation via the configuration software in two different ways: RF Allocation or by entering the device's serial code.

To perform RF allocation from the configuration software

1. Establish Communication between the main unit and the Configuration software. (For more information refer to the *Configuration Software Manual*)
2. Open the **Activities > Radio Device Allocation** screen.
3. Click on the Allocate... button. This operation will set the main unit to Learn mode. The following message appears:



4. Send a transmission from the device. (See table below)

5. The main unit will acknowledge the transmission with a sound. When the system recognizes the device the **Radio Device Allocation** screen indicates that the status of allocation has been successful. The serial number, accessory type and the index number information will be displayed. The index number is automatically addressed by the system.

Note: If required you can change the index number of the wireless device by selecting the required index number and pressing the Allocate... button again.

6. To allocate an other wireless device click on the Clear button and then repeat stages 3-7.

To perform Code allocation from the configuration software

1. Establish Communication between the main unit and the Configuration software by selecting Communication>Connect from the main menu. (For more information refer to the *Configuration Software Manual*)
2. Open the **Radio Device Allocation** screen. In the *Allocation* area, enter the device's serial number.

Note: The serial number can be found on the device.

3. Select the wireless device index number. Automatic means that the index number is automatically addressed by the system,
4. Press the Allocate... button.
5. The main unit will acknowledge the transmission with a sound. When the system recognizes the device the **Radio Device Allocation** screen indicates that the status of allocation has been successful.

Transmitters Write Message Method

How to send a write message (transmission):	
Wireless Device	Sending Write Message
Detector/Contacts	Press the tamper switch for 3 seconds.
2-Way Keypad	Press both keys and simultaneously for at least 2 seconds.
1-Way Keypad	Press the key twice.
1-Way Key fob	Press the button for at least 2 seconds.
2-Way Remote Control	Press both keys and simultaneously for at least 2 seconds.
Smoke Detector	Insert battery. Write message is send automatically within 10 seconds.
Sounder	Press the reset switch on the sounder. After a squawk is sounded at the sounder you have 10 seconds to press on the tamper switch for at least 3 seconds.
Gas, CO detectors	Press the test button for 3 seconds.
2 Panic Button Key fob	Press both buttons for at least 7 seconds.

Deleting Wireless Accessories

Deleting all wireless devices can be done manually (from the main unit) or from the Configuration software.

To manually delete all wireless accessories from the system:

1. Place Dip Switch 2 to **ON** position.
2. Press the main unit button until it sounds.
3. Replace Dip Switch 2 to **OFF** position.

To delete a wireless accessory from the Wireless Keypad

1. Go to the Engineer menus and select Programming → Radio Device → Modification
2. Select the device category
3. Go to Parameters option.
4. Select the device index number
5. Go to Serial number option and type in 000000000000.
6. Press (#?). The device will be deleted

To delete a wireless accessory from the system via the Configuration software:

1. Establish Communication between the main unit and the Configuration software (For more information refer to the *Configuration Software Manual*)
2. In the **Radio Device Allocation** screen in the *Delete Accessories* area enter the device's serial code and click the **Delete** button.

To delete <u>all</u> wireless accessories from the system via the Configuration software:

1. Establish Communication between the main unit and the Configuration software by selecting Communication>Connect from the main menu. (For more information refer to the *Configuration Software Manual*)
2. In the **Radio Device Allocation** screen in the *Delete Accessories* area, click the **Delete All** button. When all accessories have been deleted the screen will indicate that deletion has been successful.

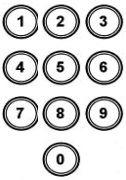
Chapter 4 Engineer Menus

The following chapter describes the parameters and programming options of the system and radio devices. These parameters can be programmed via the Agility keypad or the configuration software by the engineer.

Note: A note appears next to the parameters that can only be programmed via the configuration software. For more information regarding the installation and use of the configuration software refer to the *Configuration Software* manual.

Using the Agility keypad keys

The Agility two way keypad contains three LED indicators, an LCD display and a variety of keys. The following table describes the typical uses of the keys when in programming mode.

Keys	Description
	The numerical keys on the keypad are used as quick keys, a numerical sequence used as a shortcut to program an option. **To program the system using Quick keys:** 1. Access the engineer menus (see below) and select the relevant main menu option. 2. Press the quick keys in sequence to locate the parameter and press . Numerical keys are also used to input the numeric codes that may be required for setting, unsetting, or used to activate specific functions.
	Exits from the current menu and returns to Normal Operation mode
	Terminates commands and confirms data to be stored
	Used to browse through the menu: Scrolls up a list or moves the cursor
	Changes data

Accessing the Engineer Menus

To access the engineer menus via the Agility keypad, follow this procedure:

Press the key to activate the keypad.
Enter the engineer code 0132 (default code).

Note: If the *Authorize Engineer* system bit is defined as YES, a Grand Master code is required to authorize the engineer to enter the programming mode. In this case the Grand Master code should be entered after the engineer code via the *Grand Master menu* → *Activities* → *Authorize Engineer*.

The following menu appears displaying a list of all the engineer menus:

1) Programming
2) Testing
3) Activities
4) Follow Me
5) Clock
6) Event Log
7) Macro

Using the keys to select the options.

Programming Menu

All the system parameters are programmed by the engineer via the programming menu. After accessing the engineer menus, select the *1) Programming* option. The following list appears:

1. System
2. Radio Devices
3. Codes
4. Communication
5. Audio
6. Exit

1. Programming: System Menu

The **System** menu provides access to parameters that are used for programming configuration settings applicable to the entire system. The **System** menu is divided into the following sub-menus:

1. Timers
2. Controls
3. Labels

4. Sounds

5. Settings

6. Service Information

7. Firmware Update

1.1 Timers

The **Timers** menu contains parameters that specify the duration of an action.

System: Timers

Parameter	Default	Range
Exit/Entry Delay 1		
The amount of time before the system is set/unset. Usually used on front entrance door.		
Entry Delay 1	30 sec	0-255 sec
Duration of entry delay 1 before the system is unset.		
Exit Delay 1	45 sec	0-255 sec
Duration of exit delay 1 before the system is set.		
Exit/Entry Delay 2		
The amount of time before the system is set/unset. Usually used to back door.		
Entry Delay 2	45 sec	0-255 sec
Duration of entry delay 2 before the system is unset.		
Exit Delay 2	60 sec	0-255 sec
Duration of exit delay 2 before the system is set.		
Bell Timeout	04 min	01-90 min
Duration of the sounder during alarm.		
Bell Delay	00 min	00-90 min
The time delay before a sounder sound is produced after triggering an alarm.		
AC Off Delay	30 min	0-255 min
In the case of a loss of AC power, this parameter specifies the delay period before reporting the event or operating the Programmable Output. If the delay time is set to zero, there will be no delay period.		
Jamming Time	None	None, 10, 20 or 30 sec
Specifies the period of time that the system's receiver tolerates unwanted radio frequencies capable of blocking (jamming) signals produced by the system's transmitters. Once the specified time is reached, the system sends a report code to the alarm receiving center or activates a local sounder, depending on the *Audible Jamming* system control. NONE: No jamming will be detected or reported.		

System: Timers

Parameter	Default	Range
RX Supervision	3 hours	0-7 hours

Specifies how often the system expects to get a signal from the system's transmitters. If a signal from a zone is not received during the specified time the zone will be regarded as lost, the system will send a report code to the alarm receiving center, and the system status will be "Not Ready".

Notes: 0 hours disables supervision
It is recommended to set the supervision time to a minimum of 3 hours

TX Supervision	058	0-255 min

Specifies how often a bi-directional wireless device generates a supervision request to the system.

If an accessory does not generate a supervision signal during the RX Supervision time, the system will regard the accessory as Lost.

Note: The device will generate the supervision message according to the time defined.

Important: The RX Supervision time should be higher than the Tx Supervision time in order to eliminate false lost event.

Redial Wait	30 sec	0-255 sec

The number of seconds between attempts at redialing the same phone number.

Applies to both the **ARC Retries** and **FM Retries** parameters.

Note: Used for both PSTN and GSM.

More

Swinger Limit Shutdown	00	0-15 times

A swinger is a repeated violation of the same zone, often resulting in a nuisance alarm and usually due to a malfunction, an environmental problem, or the incorrect installation of a detector or sensor.

This parameter specifies the number of violations of the same zone reported during a single set period, before the zone is automatically omitted.

to disables the swinger shutdown

No Activity	00	0-99 hours

Determines the time limit for reception of signals from sensors used to monitor the activity of sick, elderly or disabled people. If no signal is received from a zone defined with the "No Activity" feature at least once within the defined time limit, a “no-activity” alert can be send to Follow Me destination, a local message can be heard and a report to ARC can be defined to be send.

Options: 0 =this parameter is inactive.

System: Timers

Parameter	Default	Range
Last Exit Sound	00	0-255 seconds

Defines the last seconds of the Exit Time that the beep sound will change (main unit and keypads), indicating to the user that Exit Time is about to end.

1.2 Controls

The **Control** menu contains parameters that control specific system operations.

System: Controls

Parameter	Default
Basic programming	
Quick Set	YES

YES: Eliminates the need for a user code when setting (Full or partial) the system by a keypad or 2-way remote control.

NO: A valid user code is required for setting using a keypad or remote control.

Allow Omit	YES

YES: Permits zone omitting by authorized system users after entering a valid user code.

NO: Zone omitting is NOT permitted.

Quick Status	YES

YES: A user code is not required before pressing the status key/button on your wireless keypad or bi-directional remote control.

NO: A user code is required to activate the status key.

False Code Fault	YES

YES: A false code report is sent to the alarm receiving center after five successive attempts at setting or unsetting in which an incorrect user code is entered. No alarm sounds at the premises, but a fault indication appears. The wireless keypad will be locked for 30 minutes.

NO: A local alarm is sounded at the premises.

Sounder Squawk	YES

YES: Setting or unsetting the system using a remote control, wireless keypad or a key-switch produces a brief "chirp" and activates the strobe as follows:

- One chirp indicates the system is set (also when setting with a keypad).
- Two chirps indicate the system is unset.
- Four chirps indicate the system is unset after an alarm.

NO: No "chirp" is produced.

System: Controls

Parameter	Default
Audible Panic	NO

YES: The sounders operate when a "Police Alarm" is initiated at the keypad (if defined), the remote control or when a panic zone is activated.

NO: No sounder operation occurs during a "Panic Alarm," making the alarm truly "silent" (Silent Panic).

Note: The system always transmits a panic report to the alarm receiving center.

Buzzer → Bell	NO

YES: If an alarm occurs when the system is set in the Part Set mode, a buzzer sounds for 15 seconds before the sounders operate.

NO: An alarm in the Part Set mode causes sounders to operate simultaneously.

Audible Jamming	NO

Relates to the **Jamming Time** parameter.

YES: Once the specified time is reached, the system activates the sounder and sends a report code to the alarm receiving center.

NO: Once the specified time is reached the sounders do not operate.

Exit Beeps at Part Set	YES

Determines whether the system will sound beeps during exit time in Part Setting.

YES: Exit beeps will sound

NO: Exit beeps will not sound

Forced Device Setting	YES

YES: Setting a partition, using a remote control or key-switch can be performed with violated (not ready) zones in the system. Any violated (not ready) zone(s) in the partition will be omitted automatically. The partition is then "force set," and all intact zones are capable of producing an alarm.

NO: The partition cannot be set until all violated (not ready) zones are secured.

System: Controls

Parameter	Default
Set Pre-warning	YES

Related to auto Set/Unset operation.

YES: For any partition(s) set up for Auto Setting, an audible Exit Delay (warning) countdown will commence 4.25 minutes prior to the automatic Setting. During this period, Exit Delay beeps will be heard.

You can enter a valid User Code at any time during the countdown to delay the partition's automatic Setting by 45 minutes.

When an "Auto-Set" partition is unset, as described above, it can no longer be automatically set during the current day.

The extended 4.25 minutes warning does not apply to automatic Partial Setting.

NO: Auto Setting for any programmed partition(s) takes place at the designated time. The programmed Exit Delay period and any audible signal occur as expected.

Default Enable	YES

This option contains parameters that relate to what happens to the Engineer, Sub-Engineer and Grand Master codes if the Main Panel's DEFAULT Dip Switch 2 is in place when power to the Main Panel is switched off and then on. For more information regarding panel defaults refer to *Chapter 2, Dip Switch Setting*, see explanation of Dip Switch 2.

YES: The Engineer, Sub-Engineer and Grand Master codes will return to the original, factory default values.

NO: The Engineer, Sub-Engineer and Grand Master codes will **NOT** return to the original, factory default values by an unauthorized user.

Main Button: Status-Y/Talk-N	YES

The Agility enables the ARC to perform Listen-In and Talk functions in order to verify a cause of event or to guide someone in distress. The *Main Button: Status-Y/Talk-N* parameter determines the function of the button on the surface of the main unit to enable Listen-In and Talk.

YES: Status button – The system will relay the system status.

NO: Service call button – The system dials the ARC to establish 2-way communication.

Quick Learn	YES

Enables the button on the surface of the main unit to perform quick allocation of wireless devices. (See *Chapter 3 System Device Allocation: Manual Setup*)

YES: Quick learn mode is enabled. Long press on the main unit button will start Learn mode. The LEDs on the main unit will start flashing one after the other

NO: Quick learning mode is disabled. The main unit button is not in Learn mode.

System: Controls

Parameter	Default
Advanced programming	
Area	NO

Changes the system operation to Area instead of Partition, which then changes only the operation of a common zone.

YES: When selected, the following points are relevant:

- A common zone will be set after any partition is set.
- A common zone will be unset only when all partitions are unset.

NO: When selected, the following points are relevant:

- A common zone will be set only when all partitions are set.
- A common zone will be unset when any partition is unset.

Global Follower NO

YES: Specifies that all zones (that are programmed to follow an Exit/Entry Delay time) will follow the Exit/Entry Delay time of any set partition.

NO: Specifies that all zones (that are programmed to follow an Entry Delay time) will follow the Entry Delay time of only the partitions to which they are assigned.

Summer/Winter NO

YES: The system automatically sets its time of day clock one hour ahead in the spring (on the last Sunday in March) and one hour back in the Autumn (on the last Sunday in October).

NO: No automatic time accommodation is made.

24 Hour Omit NO

YES: It is possible for the user to omit a 24-hour zone.

NO: It is not possible for the user to omit a 24-hour zone.

Tamper Reset NO

YES: It is necessary to enter the Engineer Code to reset a Tamper alarm. Therefore, resetting a Tamper alarm requires the intervention of the alarm company. However, the system can still be set.

NO: Correcting the problem resets a Tamper alarm, requiring no alarm company help.

Engineer Reset NO

YES: It is necessary to enter the Engineer Code to reset an alarmed partition after it has been unset. This requires the intervention of the alarm company.

Note: Before the Ready LED can light all zones within the partition must be secured.

NO: Once an alarmed partition is reset the Ready LED lights when all zones are secured.

System: Controls

Parameter	Default
Engineer Tamper	NO
YES: After a Tamper alarm, the system is not ready to set. This requires the intervention of the alarm company. **NO:** After a Tamper alarm is restored the system is ready.	
Low Battery Set	YES
YES: Allows setting of the system when a low battery condition is detected in the main unit. **NO:** Setting the system is disabled when a low battery condition is detected.	
Sounder Pre-Alarm	NO
Specifies if the system will send a pre-alarm message to the sounder while an entry delay starts. **YES**: The system sends a pre-alarm signal to the sounder at the beginning of the entry delay. If the sounder does not receive a cancellation signal from the system at the end of the entry time, the sounder goes into alarm. **NO**: Pre-Alarm disabled	
Bell 30/10	NO
YES: The sounders cease to sound for 10 seconds after each 30 seconds of operation. **NO**: The sounders operate without interruption.	
Fire Alarm Pattern	NO
YES: During a fire alarm, the sounders produce a pattern of 3 short bursts followed by a brief pause. **NO**: During a fire alarm, the flow of sounds produced by the sounder is a pattern of 2 seconds ON, then 2 seconds OFF.	
IMQ	NO
YES: Causes the following parameters to function as follows: ♦ **Auto Set Omit:** If there is an open zone during the Auto Set process, the system will be set, and a silent alarm will be activated (unless the open zone is closed). ♦ A programming output defined as "Auto Set Alarm" is activated. ♦ A programming output defined as "Zone Loss Alarm" is activated **NO:** Causes the following parameters to function as follows: ♦ **Auto Set Omit:** If the Auto Set programming sets the system and there is an open zone during the auto set, the system will omit the open zones and set the system. ♦ A programming output defined as "Auto Set Alarm" is deactivated. ♦ A programming output defined as "Zone Loss Alarm" is deactivated.	
Note: the IMQ feature is for the Italian market.	

System: Controls

Parameter	Default
Disable Incoming Call	NO

This parameter is used to disable all incoming calls trying to come in via the voice channel (PSTN or GSM).

YES: Incoming calls from voice channel are disabled.

NO: Incoming calls from voice channel are enabled.

Note: Incoming data call via the GSM data channel is still enabled.

Communication

ARC Enable	YES

YES: Enables communication with the Central Station to report alarms, fault, and supervisory events.

NO: No communication with the Central Station is possible. Choose **NO** for installations that are NOT monitored by a Central Station.

Configuration Software Enable	YES

YES: Enables communication between the alarm company and the system using the Configuration software. This enables modifying an installation's configuration, obtaining status information, and issuing Main Panel commands, all from a remote location.

NO: Disables communication, as detailed above.

FM Enable	YES

YES: Enables Follow-Me communication.

If both the ARC phones and the FM phones are defined, the system will first call the ARC phones and then the FM phones.

NO: Disables Follow-Me communication.

EN 50131 programming

Authorize Engineer	NO

This option limits the Engineer and Sub-engineer authorization to access the programming menu.

YES: A Grand Master code is required to authorize the engineer to enter the programming mode for 1 hour.

NO: The Engineer does not need an authorization code.

System: Controls

Parameter	Default
Override Fault	YES
Specifies if the system/partition can be set when there is a fault in the system. **YES**: The system will set even if there is a fault in the system. **NO:** When the user starts the setting process and there is a system-fault, the user must confirm that he is aware of all faults before continuing with the Setting process. This is done via the User menu→Activities→Omit Fault. The system will not set during forced setting if a fault occurred in the system	
Restore Alarm	NO
YES: The user must confirm that he is aware that alarm occurred in the system before resetting the system. The system will be in "Not Ready" status until he confirms the alarm. This is done via the User menu→Activities→Advanced→Restore Alarm. **NO**: The user does not need to confirm the alarm before resetting the system.	
Mandatory Event Log	NO
YES: Only mandatory events (specified in the EN standard) will be displayed in the Event Log. **NO**: All the events will be displayed in the Event Log.	
Restore Faults	NO
YES: The user must manually confirm the restoral of each fault to a normal condition. This is done via the User menu → Activities → Advanced → Restore Faults. **NO**: The restoral report of each fault is automatic .	
Exit Alarm	YES
YES: A violated zone outside the exit route will generate an alarm during the exit time. A report to the alarm receiving center for setting the system is sent at the beginning of the setting procedure. **NO:** A violated zone outside the exit route will cancel the setting process. A report to the alarm receiving center is send at the end of a successful setting procedure.	
Entry Delayed Alarm	NO
This feature is used to reduce false alarm reports to the ARC. **YES**: The report to the ARC and the sounder alarm will be delayed for 30 seconds or until the end of the predefined entry delay (the shorter time of the two) following a violation of a zone outside the **entry** route. **NO**: A violated zone outside the **entry** route will generate an alarm during the entry time and a report will be sent to the ARC.	

System: Controls

Parameter	Default
20 Minutes Signal	NO

YES: Prior to setting the system, the system will check for zones that did not send a signal for more than 20 minutes. These zones will be regarded as not ready. A partition assigned with a not ready zone cannot be set.

NO: Prior to setting, the system will not check whether a zone did not send a signal for more than 20 minutes.

Attenuation	NO

YES: The Agility receiver will be attenuated by 6 dB during the communication test.

NO: The Agility receiver works in normal operation mode.

DD243 programming	
Omit Exit/Entry	YES

YES: It is possible for the user to omit an Exit/Entry zone.

NO: An Exit/Entry zone cannot be omitted.

Entry Disable	NO

YES: The alarm confirmation process will be disabled when the entry time starts.

NO: The alarm confirmation process will start when the entry time starts.

Route Disable	NO

YES: The panel disables the entry route zones (EX/EN, EX (OP)/EN, followers and Final Exit) from participating in the alarm confirmation process when the entry time starts.

Note: Sequential confirmation can still be established from two confirmed zones, located off the entry route.

NO: The entry route zones will participate in the alarm confirmation process when the entry time starts.

Engineer Reset Confirmation	NO

YES: An engineer reset confirmation is required in order to reset the system after a confirmed alarm. The system cannot be set until an Engineer Reset Confirmation is performed. The reset can be done by entering the Anti code or entering the installation mode or by performing a “Engineer reset” from the keypad.

NO: Any means can be used to set or unset the system (keypad, remote phone operation etc.).

System: Controls

Parameter	Default
Key Switch Lock	NO

YES: Only a Latched Key Switch zone can set or unset the system.

Note: When the system has more than 1 zone defined as Latch Key Switch, the set/unset operation will occur only after all these zones are set or unset.

NO: Any means can be used to set or unset the system (keypad, remote phone operation etc.).

Entry Unset	NO

Determines if the system's unsetting depends on the entry time.

YES: Only a remote control can unset the system during entry time.

Note: The system can't be unset with a remote control while the system is set.

NO: The system can be unset during any time using any unsetting device.

CP-01 programming

Exit Restart	NO

This parameter is used to define if an exit time shall restart one additional time while an entry/exit zone is tripped twice during exit time.

YES: Exit time will restart for one time only when an entry/exit zone is tripped during exit time.

NO: Exit time will not be affected if an entry/exit zone is tripped during exit time.

Auto Stay	NO

This parameter is used to define the system's arming mode when using a keypad and no exit/entry zone is tripped during exit mode.

YES: If no exit/entry zone is tripped during exit time the system will be armed in STAY mode.

NO: If no exit/entry zone is tripped during exit time the system will be armed in Away mode.

System: Controls

Parameter	Default
Exit Error	NO

This parameter is used to define what will happen if an Exit/Entry zone is left open at the end of the exit time.

YES:

- Local alarm will be activated at the end of the exit time.
- Exit error report will be sent to the ARC together with an alarm report if the system has not been disarmed during the entry time that immediately started after the exit time expiration.

NO:

- No local alarm will be activated at the end of the exit time.
- Only an alarm report will be sent to the ARC if the system has not been disarmed during the entry time that immediately started after the exit time expiration

3 Minute Bypass	NO

YES: Bypasses all zones automatically for 3 minutes when power is restored to an "unpowered" system.

NO: No bypassing occurs.

1.3 Labels

You can rename the labels that identify the system and partitions by changing the default labels (**Partition 1**, **Partition 2** and so on) to, for example, **The Jones's**, **Sales Dept**, or **Mastr Bedr** as appropriate.

Labels that can be renamed:

System: Labels

Parameter	Default	Range
System	**Security System**	Any 16 characters
Edits the global (system) label		
Partition 1/2/3	Partitions 1 through 3	Any 16 characters
Edits partition labels		

To rename labels using the keypad keys to produce characters see the table below:

Key	Data Sequence
1	1 . , ' ? ! " – ( ) @ / : _ + & * #
2	2 a b c A B C
3	3 d e f D E F
4	4 g h i G H I
5	5 j k l J K L
6	6 m n o M N O
7	7 p q r s P Q R S
8	8 t u v T U V
9	9 w x y z W X Y Z
0	0
	Use these keys to toggle forwards and backwards through all the available characters.

1.4 Sounds

The **Sounds** menu contains parameters that enable you to set the sound(s) that will be produced by the system after the following system events:

System: Sounds

Parameter	Default	Range
Tamper Sound	Bell/Set Silence/Unset	1 to 6

Sets the sound(s) produced by a Tamper violation according to the following options:

- **Silent**
- **Bell (**External/Internal sounder**)**
- **Buzzer (main unit)**
- **Bell + Buzzer**
- **Bell/S Buzzer/U:** Bell when system set, Buzzer when system unset
- **Bell/S S/Unset:** Bell when system set, Silence when system unset

Local Speaker Alarm Volume	Level 5	0-5

Sets the main unit's internal speaker Alarm volume. The volume ranges between 0 (silent) to 5 (Max volume). After setting/changing the volume, sound will be emitted by the internal speaker to enable evaluation of the selected volume level.

Local Speaker Squawk Volume	Level 5	0-5

Sets the main unit's internal speaker Squawk volume. The volume ranges between 0 (silent) to 5 (Max volume). After setting/changing the volume, sound will be emitted by the internal speaker to enable evaluation of the selected volume level.

System: Sounds

Parameter	Default	Range
Exit/Entry Beeps Volume	Level 3	0-5
Determines the volume of the beeps sounded from the main unit during the Exit/Entry times.		
Speaker Messages Volume	Level 2	0-4
Determines the volume of the messages sounded from the main unit or the Listen-In and Talk unit.		

1.5 Settings

This option allows setting the system in compliance with a specific standardization.

System: Settings

Parameter	Default	Range
Default Panel		
Restores programming options to factory defaults. The Panel Default option will be followed by questions regarding the defaults of the labels and erasing wireless devices. Use to select your option.		
Erase Wireless Device		
Erase wireless devices without changing the system current programmed parameters .		
Language		
Sets the system language (Email, SMS and keypad language)		
Standards		
EN 50131	NO	
Sets the panel programming options in compliance with EN standards. (See *Appendix D)*		
DD243	NO	
Sets the panel programming options in compliance with DD243 standards.		
CP-01	NO	
Sets the panel programming options in compliance with CP-01 standards.		

1.6 Service Information

The **Service Information** menu enables you to insert information accessible to the system's users of the alarm company from whom the service is obtained.

System: Service Information

Parameter	Default	Range
Name		Any 16 characters
Enables you to insert and/or edit the name of the alarm company from whom service may be obtained. The information can be viewed by the user using the wireless keypad.		
Phone		Any 16 characters
Enables you to insert and/or edit the service phone number. The information can be viewed by the user using the wireless keypad		

1.7 Firmware Update

The **Agility** enables you to remotely upgrade the main unit firmware versions via IP or GPRS channels. Under the **Firmware Update** menu you need to define the location of the upgrade file. The request to start the remote upgrade can be done from the Agility keypad or from the Agility Configuration Software. For detailed information refer to the *Remote Software Upgrade* instruction guide.

System: Firmware Update

Parameter	Default	Range
Server IP	192.114.175.43	
Enter the IP address of the router/gateway where the upgrade file is located.		
Server Port	80	
Enter the port on the router/gateway where the upgrade file is located.		
File Path		
Enter the upgrade file name. For example: /Agility/0UK/cpcp.bin		

Please contact Customer Support services for the file name parameters.

2. Programming: Radio Devices Menu

The **Radio Devices** menu provides access to sub-menus that are used for programming, defining and editing each of the system's wireless devices. The **Radio Devices** menu is divided into the following sub-menus:

1. Allocation

2. Modification

3. Identification

2.1 Allocation

Each wireless device must be identified to the system receiver before its parameters can be configured. See *Chapter 3* for further information on the allocation procedures.

2.2 Modification

The modification menu is used to change the values of the parameters configured by the system for each wireless device. The modification menu is divided into the following submenus:

1. Zones

2. Remote Controls (Keyfobs)

3. Keypads

4. Sounders

5. I/O Modules

Note: This list varies according to the devices that have been allocated to the system. Only devices that have been allocated can be configured or modified by the engineer.

2.2.1 Zones

The **Zones** menu is divided into the following sub-menus:

- Parameters
- Alarm (Sequential) Confirmation
- Soak Test
- Zone Pairing

Parameters

Note: The parameters displayed, vary according to the type of zones connected to the system.

Zones: Parameters

Parameter	Default	Range
Label	Zone 01/02/03/ …	Any characters
A label identifies the zone in the system. Up to 16 characters).		

Zones: Parameters

Parameter	Default	Range
Serial Number		
The internal ID number of the zone. Each wireless device has its own unique ID number. Placing ID 00000000000 will delete the zone.		
Partition		
The partition (1 to 3) assignment for each zone.		
Type		
Each zone can be defined as one of the following types:		
Not Used		
Disables a zone. All unused zones should be given this designation.		
Exit/Entry 1		
Used for Exit/Entry doors. Violated Exit/Entry zones do not cause an intrusion alarm during the **Exit/Entry Delay.** If the zone is not secured by the end the delay expires it will trigger an intrusion alarm. To start a setting process, this zone should be secured. When system is set, this zone starts the entry delay time.		
Exit/Entry 2		
Same as above, except that the Exit/Entry 2 time period applies.		
Exit(Op)/Entry 1		
Used for an Exit/Entry door. This zone behaves as described in the **Exit/Entry 1** parameter, shown above, except that, if faulted, the setting process is **not** prevented. To avoid an intrusion alarm, it must be secured before the expiration of the **Exit Delay** period.		
Exit(Op)/Entry 2		
Same as above, except that the Exit (Op)/Entry 2 time period applies.		
Entry Follower		
Usually assigned to motion detectors and to interior doors protecting the area between the entry door and the system. This zone(s) causes an immediate intrusion alarm when violated unless an Exit/Entry zone was violated first. In this case, Entry Follower zone(s) will remain omitted until the end of the Entry Delay period.		

Zones: Parameters

Parameter	Default	Range
Intruder (Instant)		
Usually intended for non-exit/entry doors, window protection, shock detection, and motion detectors. Causes an immediate intrusion alarm if violated after the system is set or during the Exit Delay time period. When Auto Set and Pre-Warning are defined, the instant zone will be set at the end of the Pre-Warning time period.		
Interior + Exit/Entry 1		
Used for Exit/Entry doors, as follows: • If the system is set in the Full Set mode, the zone(s) provide a delay (specified by Exit/Entry 1) allowing entry into and exit from a set premises. • If the system is set in the Part Set mode, the zone is omitted.		
Interior + Exit/Entry 2		
Same as the **I + Exit/Entry 1** parameter, described above, but the Exit/Entry 2 time period is applicable.		
Interior + Exit(Op)/Entry 1		
Used for an exit/entry door that, for convenience, may be kept open when the system is being set, as follows: • In Full Set mode behaves as an **Exit (Op)/Entry 1** zone. • In Part Set mode, the zone will be omitted.		
Interior + Exit(Op)/Entry 2		
Same as the **I + Exit (Op)/Entry 1** parameter, described above, but the Exit/Entry 2 time period is applicable.		
Interior + Entry Follower		
Generally used for motion detectors and/or interior doors (for example, foyer), which would have to be violated after entry in order to unset the system, as follows: • In Full set mode behaves as an Entry Follower zone. • In Part Set mode, the zone will be omitted.		
Interior + Intruder (Instant)		
Usually intended for non-exit/entry doors, window protection, shock detection and motion detectors. • In Full Set mode behaves as an Intruder (instant) zone. • In Part Set mode, the zone is omitted.		

Zones: Parameters

Parameter	Default	Range
Entry Follower + Part Set		
Assigned to motion detectors and to interior doors protecting the area between the entry door and the keypad, as follows: ♦ In Full Set mode behaves like an Entry Follower Zone. ♦ In Part Set mode behaves like an Exit/Entry 1 zone.		
24 Hours		
Usually assigned to protect non-movable glass, fixed skylights, and cabinets (possibly) for shock detection systems. A violation of such a zone causes an instant intrusion alarm, regardless of the system's state.		
Fire		
For smoke or other types of fire detectors. This option can also be used for manually triggered panic buttons or pull stations (if permitted), as follows: If violated, it causes an immediate fire alarm, fire report to the alarm receiving center.		
Panic		
Used for external panic buttons and wireless panic transmitters. If violated, an immediate panic alarm is sounded (if the zone sound is not defined as silent or Audible Panic system control is enabled), regardless of the system's state and panic report is send to the alarm receiving center. An alarm display will not appear on the keypads.		
Special		
For external auxiliary emergency alert buttons and wireless auxiliary emergency transmitters. If violated, an immediate auxiliary emergency alarm is sounded, regardless of the system's state and report is sent to the alarm receiving center.		
Tamper		
For tamper detection. This zone operates the same as 24 hours zone, but it has a special reporting code. **Note**: For this zone type the zone sound is determined according to the Tamper Sound defined under System → Sound → Tamper		
Water (Flood)		
For flood or other types of water detectors. This zone operates the same as 24 hours zone, but it has a special flood report code. *(See Appendix A: Report Codes)*		

Zones: Parameters

Parameter	Default	Range
Gas		
For Gas (natural gas) leak detector. This zone operates the same as 24 hours zone, but it has a special gas report code. *(See Appendix A: Report Codes)*		
CO		
For CO (Carbon Monoxide) gas detectors. This zone operates the same as 24 hours zone, but it has a special CO report code. *(See Appendix A: Report Codes)*		
High Temperature		
For detector temperature (hot or cold). This zone operates the same as 24 hours zone, but it has a special report code. *(See Appendix A: Report Codes)*		
Low Temperature		
For detector temperature (hot or cold). This zone operates the same as 24 hours zone, but it has a special report code. *(See Appendix A: Report Codes)*		
Technical		
This zone operates the same as 24 hours zone, its report code should be manually set according to the relevant detector connected to the zone.		
Final Exit		
Zones of this type must be the last detector to be activated on exit or the first detector to be activated on entry. When setting the system, the related partition sets 10 seconds after this zone is closed, or opened and then closed. After it is triggered once, the zone acts as an exit (open)/entry 1 zone.		
Exit Termination		
This type of zone is used to avoid a false alarm by acting like an Exit (OP)/Entry zone. When triggered (after setting the system and closing the door **or** opening the door, setting the system, and closing the door), the system's Exit Delay time period will be shortened to 3 seconds. When you re-open the door, the entry time restarts.		
PO Trigger		
For a device or zone, which if violated at any time triggers a previously programmed Programming Output, capable of activating an external indicator, relay, appliance, and so on.		

Zones: Parameters

Parameter	Default	Range
Day		
Usually assigned to an infrequently used door, such as an emergency door or a movable skylight. Used to alert the system user if a violation occurs during the unset period (fault by day; burglary at night), as follows: • With the system set (either Full Set or Part Set), the zone acts as an instant zone. A violation of this zone after the system is set or during the Exit Delay time period causes an immediate intrusion alarm. • With the system unset, a violation of this zone attempts to alert the user by causing the ⚠ (Fault) LED to flash rapidly. This directs the user to view the system's status. Optionally, such a violation can be reported to the ARC as a Zone Fault.		
Pulsed Key Switch		
Connect an external momentary action key switch to any zone given this designation. This zone will set/unset the partitions assigned to it.		
Pulsed Key Switch Delayed		
Used to apply the Exit/Entry Delay 1 parameter to the Pulsed Key Switch zone.		
Latched Key Switch		
Connect an external SPST latched (non-momentary) key switch follows: • After setting one or more partitions using the key switch and then unsetting using the keypad, the related partitions will be unset. In order to set the partition using the key switch again, turn the key to the unset position and then to the set position. • If a key switch latch is assigned to more than one partition and one of the partitions is set by using the keypad (the key switch stays in the unset position), then: - When changing the position of the key switch to the set position, all the unset partitions, which belong to this key switch, will be set. - When turning the key switch to the unset position, all the partitions will be unset.		
Latched Key Switch Delay		
Used to apply the Exit/Entry Delay 1 parameter to the latched key switch zone.		
Sound	Bell	
Contains parameters that enable you to program the sound produced when a system zone triggers an alarm for the time defined under the Bell Time Out parameter.		
Silent		
Produces no sound		

Zones: Parameters

Parameter	Default	Range
Bell		
Activates the wireless sounders (internal or external) and alarm from the main unit assigned to the partitions of the zone.		
Buzzer (main unit)		
Activates the internal buzzer on the main unit.		
Bell + Buzzer		
Activates the wireless sounders and sounder on the main unit simultaneously.		
Bell/Set Buzzer/Unset		
In a case of alarm, the following occurs: • In Full Set mode the wireless sounder will operate. • In Unset mode, only the buzzer on the main unit will operate.		
Advanced programming		
Chime	None	
The **Chime** parameter is used as an audible indication to a zone violation while the system is Unset. Define which sound occurs when violated: Options: • None • Buzzer (Main unit) • Chime Sound 1 • Chime Sound 2 • Chime Sound 3 • Zone Message		
Controls		
Supervision		
Choose which zone will be supervised by the system receiver according to the time defined under the timer RX Supervision. *(See page 4-4)*		

Zones: Parameters

Parameter	Default	Range
Forced Setting Y/N		
This option enables or disables the use of forced setting for each of the system's zones, as follows: ♦ If forced setting is enabled for a particular zone, it allows the system to be set even though this zone is faulty. ♦ When a zone(s) enabled for forced setting is faulted, the ✓ LED blinks during the unset period. ♦ After setting, all zones enabled for forced setting are omitted at the end of the **Exit Delay** time period. ♦ If a faulted zone (one enabled for force setting) is secured during the set period, it will no longer be omitted and will be included among the system's set zones.		
No Activity		Y/N
Determines whether the zone participates in the No Activity function. The No Activity function is for reception of signals used to monitor the activity of sick, elderly or disabled people. See Timer "No Activity" on page 4-4.		
LED Enable Y/N (Only for 2 Way PIR and 2 Way WatchOUT)		Y/N
Defines the LED operation mode. Yes: Detector's LED activated No: Detector's LED deactivated		
Abort Alarm		Y/N
This parameter defines whether a zone alarm report to the Alarm Receiving Center will be immediate or delayed: YES: A report to the ARC will be delayed according to the Abort Time Delay parameter (Communication→ ARC → ARC Times→Abort Alarm). Note: If a valid User Code is entered to reset the alarm within the cancel delay time (Communication→ARC→ ARC Times→Cancel Report), a cancel report alarm code will be sent to the ARC. NO: A report to the MS will be sent immediately.		
Detection Mode (Only for 2 Way Detectors)		Normal
♦ Fast (Walk Test): When the detector is in disarm it will transmit after each detection ♦ Normal (Default): When the detector is in disarm, there will be 2.5 minutes dead time between detection transmissions **Note**: For both options, when the detector is armed it will transmit after each detection.		

Zones: Parameters

Parameter	Default	Range
Sensitivity (Only for 2 Way PIR and 2 Way WatchOUT)		

Defines the PIR Sensitivity of the detector.

- Low
- Medium (2 Way WatchOUT)
- High
- Maximum (2 Way WatchOUT)

Alarm Confirmation

The Alarm Confirmation menu enables to define protection against false alarms and will be used for alarm verification.

Zones: Alarm Confirmation

Parameter	Default	Range
Confirm Partition		

Defines which partitions will be defined for alarm sequential confirmation.

Each confirmed partition has a separate timer, which is equivalent to the confirmation time defined in “Confirmation Time Window”.

A confirmed intruder alarm will be reported if two separate alarm conditions are detected in the same confirmed partition, during the confirmation time.

Confirm Zones

Define which zones will be defined for alarm sequential confirmation.

When the first zone goes into alarm the system transmits the first zone alarm. When the second zone goes into alarm, during the confirmation time, the panel transmits the zone alarm and the Police code.

Notes:

1. A confirmed zone will be part of the sequential confirmation only if the partition in which the alarm occurs is defined as confirmed partition as well.
2. Any Code can reset a confirmed alarm.
3. If the first zone is violated and not restored until the end of the confirmation time (no second zone alarm), than this zone will be excluded from the confirmation process until the next setting.

Soak Test

The Soak Test feature is designed to allow false alarming for predefined detectors to be omitted from the system, while any alarms generated are displayed to the user for reporting to the ARC. This is especially useful if Police response withdrawal is being threatened and a particular zone is causing unidentified problems.

Each zone can be placed on Soak Test. Any zone placed in the Soak Test list is omitted from the system for 14 days and is automatically reinstated after that time if NO alarms have been generated by it.

If a zone in the Soak Test list has an alarm during the 14-day period, the keypad indicates to the user that the test has failed. After the user looks at the View Fault option, the fault message will be erased. This will be indicated in the event log, but no alarm will be generated. The alarmed zone's 14-day Soak Test period is then reset and restarted.

Zone Pairing

The **Zone Pairing** menu is used for additional protection from false alarms and contains parameters that enable you to link together two related zones. Both must be violated within a designated time period (between 1 and 9 minutes) before an alarm occurs. This type of linking is used with motion detectors in *hostile* or *false-alarm prone* environments. **Default:** No cross zoning

Zones: Zone Pairing
Parameter
1st Zone
The 1st zone of a pair of zone defined for zone crossings.
2nd Zone
The 2nd zone of a pair of zone defined for zone crossings.
Time
The amount of time allowed between the triggering events for both zones to be considered a valid violation
Correlation Type
Determine how the Agility will process violations of the paired zones. ❖ Not correlate (None): Temporarily disables any associated zone pairings ❖ Ordered correlate: Effects an alarm so the first listed zone is tripped before the second ❖ Not ordered correlate: Affects an alarm in which either zone in the pair may be tripped first. If this case, the specified zone order (1st, 2nd) has no bearing on the alarm activation.

Note: Zones crossed within themselves are valid pairs. They need to register a violation twice to trigger the alarm. This process is known as Double Knock.

2.2.2 Remote Controls

The **Remote Controls** menu defines the operation of the remote controls. Up to 8 remote controls can be assigned to the system. The system supports 2 types of remote controls:

- One Way Remote Controls (4 button)
- Two Way (bidirectional) Remote Controls (8 button)

Parameters

The programming options under the parameters menu vary according to the type of the remote control.

One Way Remote Control Parameters

Each one way remote control consists of 4 buttons, and each button can be programmed to a different mode of operation.

Remote Controls Parameters: One Way Remote Controls

Parameter
Label
A label identifying the user of the remote control.
Serial Number
The internal ID number of the remote control. Each wireless device has its own unique serial number. Placing ID 00000000000 will delete the remote control.
Partition
Assign the relevant partitions for the selected remote control.
Button 1 ( )
Set the operation of button 1 of the remote control from the following options: • None: Button disabled. • Set: The button is used for Full setting of the remote control's partitions. • Part Set: The button is used for Part Setting of the remote control's partitions.
Button 2 ( )
Set the operation of button 2 of the remote control from the following options: • None: Button disabled. • Unset: The button is used for unsetting its assigned partitions.
Button 3
Set the operation of button 3 (Small blank button) of the remote control from the following options: • None: Button disabled. • Panic: The button is used to send a panic alarm. • PO Control (1-20): The button is used to operate a single Programming Output.

Remote Controls Parameters: One Way Remote Controls
Parameter
Button 4
Set the operation of button 4 (Large blank button) of the remote control from the following options: ♦ None: Button disabled. ♦ Set: The button is used for Full setting of the remote control's partitions. ♦ Part Set: The button is used for Part Setting of the remote control's partitions. ♦ PO Control (1-20): The button is used to operate a Programming Output.

Two Way Bi-directional Remote Controls

The bi directional remote control is an 8 button rolling code wireless transmitter designed for remote system operation. Being bi-directional enables each command that is sent to the panel to receive a reply status indication back from the panel using its 3 color LEDs and internal buzzer sounder. For higher security, commands can be defined to be activated with a 4 digit PIN code.

Remote Controls Parameters: 2 Way Remote Control
Parameter
Label
A label identifying the user of the remote control.
Serial Code
The internal ID number of the remote control. Each wireless device has its own unique serial number. Placing ID 00000000000 will delete the remote control.
Partition
Assign the relevant partitions for the selected remote control.
PIN Code
4 digit PIN code used for higher security when sending commands from the remote control. The code can be comprised from digits 1,2,3,4.
Note: The use of the PIN code depends on the control *Quick PO or* system control *Quick Set*
Panic Enable
Define whether sending panic alarm from the remote control is permitted. If permitted, pressing on keys and simultaneously for 2 seconds on the will send a panic alarm**.**
PO Button 1/2/3
Each remote control can activate up to 3 outputs. Assign to each of the keys 1-3 the relevant output.

Controls

The Controls menu options are used for both types of remote controls.

Remote Controls: Controls

Control	
Instant F. Set	NO
YES: Full setting from any remote control will be instant. **NO**: Full setting from any remote control will be delayed, following exit delay 1.	
Instant Part Set	NO
YES: Part Setting from any remote control will be instant. **NO**: Part Setting from any remote control will be delayed, following exit delay 1.	
Unset + Code (For 2 Way Remote Controls)	NO
Defines if a PIN code is required to perform the unset operation while using any of the bidirectional remote controls.	

Parent Control

The Parent Control option is used to monitor the activity of children. This option allows you to monitor when the children arrive home and unset the system or when they set the system in Full Set, using a remote control or the keypad. With each activation/deactivation of the system a message is sent to a specified Follow Me number.

After selecting this option, using the key, define which of the remote controls are authorized with this feature and which are not.

2.2.3 Keypads

The system can support up to 3 wireless keypads.

For detailed information regarding the operation of the keypads refer to the instructions supplied with the product**.**

Parameters

Keypads: Parameters

Parameter	Default	Range
Label		
A label identifying the keypad		
Serial Number		
The internal ID number of the keypad. Each wireless device has its own unique serial number. Placing ID 00000000000 will delete the remote keypad.		

Keypads: Parameters

Parameter	Default	Range
Emergency Keys	YES	YES/NO

Defines whether the following keys will operate as emergency keys:

- Keys 4 and 5 when pressed simultaneously will send a fire alarm.
- Keys 7 and 8 when pressed simultaneously will send an emergency alarm.

Function Key	Panic

Defines the operation of the keys for each keypad.

- Disable: Keys disabled.
- Panic: Send a panic alarm to the alarm receiving center.
- ARC Listen-In & Talk: The system dials the ARC to establish 2-way communication.

PO Control

Assign outputs that will be activated by a long press on keys 1 2 3 on the bidirectional keypad.

Notes:

Outputs can be assigned only if I/O is assigned to the system.

Each keypad can activate different outputs.

Only outputs defined as *Follow Code* can be activated by the keypad keys

Controls

The Controls menu defines programming options that are used for all keypads.

Keypads: Controls

Parameter	Default	Range
RF Wake-up	NO	

Determines whether the system can wake the keypad up during exit/entry times or when failing to set the system.

YES: The system wakes the keypad.

NO: The system cannot wake up a keypad. Use this option to save battery life. (Default)

2.2.4 Sounders

The **Sounders** menu enables to define all parameters of external and internal wireless sounders that can be connected to the system. Up to 3 sounders can be added to the system.

For detailed information regarding the operation of the sounders refer to the instructions supplied with the product.

Wireless Device: Sounders

Parameter	Default	Range
Label		
A label identifying the sounder.		
Serial Number		
The internal ID number of the sounders. Each wireless device has its own unique serial number. Placing ID 00000000000 will delete the sounder.		
Partition		
Assign the partitions that will effect the sounder operation.		
Supervision	YES	
Choose if the sounder will be supervised or not.		
Volume	9	0-9
Define the volume of the sounder for the following scenarios in the system.		
Alarm Volume	9	0-9
The sound volume produced during alarm (0 indicates silence).		
Squawk Volume	9	0-9
The sound volume produced during squawk sounds (0 indicates silence).		
Exit/Entry Volume	9	0-9
The sound volume produced during exit/entry time. (0 indicates silence).		
Strobe (External sounder only)	9	0-9
Defines the parameters for the strobe of the external sounder.		
Strobe Control		
Defines the Strobe operation mode: ♦ Always off: The strobe is deactivated ♦ Follow Bell: The strobe is activated when the sounder bell is triggered ♦ Follow Alarm: The strobe is activated when an alarm event occurs in the system.		

Wireless Device: Sounders

Parameter	Default	Range
Strobe Blink	40	
Defines the number of times that the strobe will blink in a minute: ♦ 20 times per minute ♦ 30 times per minute ♦ 40 times per minute ♦ 50 times per minute ♦ 60 times per minute		
Strobe Set Blink	05	00-20
Defines the time that the strobe will blink when the system is set.		

2.2.5 I/O Wireless Expander

The **Wireless Input/Output Expander** is a self powered device enabling system control of additional 4 wired zones and has home automation capabilities. With the I/O Expander the system can control 4 outputs and 16 home automation units employing the X10 protocol.

Wired Zones

The 4 inputs on the I/O Expander are regarded as zones 33-36 in the system.

I/O Expander: Wired Zones

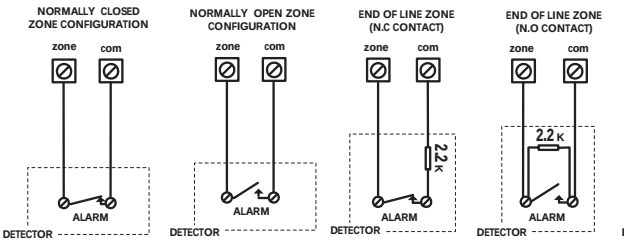
Parameter	Default	Range
Label		
A label identifies the zone in the system. (up to 16 characters).		
Partition	1	
The partitions assignment for each zone.		
Type	Intruder	
Contains parameters that enable you to program the zone type for any zone. Refer to the list of options for the Zone Type on page 4-19.		
Sound	Bell	
Contains parameters that enable you to program the sound produced when a system zone triggers an alarm for the time defined under the Bell Time Out parameter. Refer to the list of options for the Zone Sound on page 4-23.		
Advanced programming		
Chime	None	
The **Chime** parameter is used as an audible indication to a zone violation while the system is Unset. When violated, the main unit can sound one of the 5 available chime options.		

I/O Expander: Wired Zones

Parameter	Default	Range
Controls		
Forced Set	NO	
Define whether the zone can be forced set or not. For more information regarding the force setting feature, refer to page 4-25.		
No Activity	NO	
Determines whether the zone participates in the No Activity function. The No Activity function is for reception of signals used to monitor the activity of sick, elderly or disabled people. .For more information regarding the force setting feature, refer to page 4-25.		
Abort Alarm	YES	
This parameter defines whether a zone alarm report to the ARC will be immediate or delayed. For more information regarding the force arming feature refer to page 4-25.		
Termination		

The Termination menu enables you to program the connection type used for the wired zones 33-36. The actual (physical) termination for each zone must comply with that selected in the zone termination menu.

- N/C: (Normally Closed) Uses normally-closed contacts and no terminating End-of-Line Resistor.
- N/O: (Normally Open) Uses normally-open contacts and no terminating End-of-Line Resistor
- EOL: (End of Line) Uses normally-closed (NC) and/or normally-open (NO) contacts in a zone terminated by a supplied 2200Ω End-of-Line Resistor



I/O Expander: Wired Zones

Parameter	Default	Range

Loop response

The Loop Response menu enables you to set the different times for which a wired zone violation must exist before the zone will trigger an alarm condition.

The following option are available:

Normal 400 ms	0.5 hours	2 hours	3.5 hours
Slow 1 second	1 hour	2.5 hours	4 hours
Fast 10 ms	1.5 hours	3 hours	

Detection Mode

- Normal (Default): 2.5 minutes dead time between alarm detections transmissions.
- Fast (Walk Test): Alarm detection is immediately transmitted.

Output Parameters

The I/O expander has 4 physical outputs on board. (2 relay 3Amp and 2 Transistor Outputs (500 mA)

I/O Expander: Output Parameters

Parameter

Label

A label identifies the output in the system.

Type

There are 4 types of outputs in the system as follows

- **Not used**
- **Follow System**: The programming output will follow a System Event
- **Follow Partition**: The programming output will follow a Partition Event.
- **Follow Zone**: The programming output will follow a Zone Event. Each Programming Output can be activated by a group of up to five zones.
- **Follow Code**: The programming output will be activated by a user defined as PO Control or from the user programming menu.

Follow System Events:

Bell

Activates when a bell is triggered. If a bell delay was defined, the programming output will be activated after the delay period.

No Telephone Line

Activates when a telephone line fault is detected. If a **PSTN Lost Delay** time period is defined, the programming output will be activated after the delay time

I/O Expander: Output Parameters

Parameter
ARC Communication Fail
Activates when communication with the Central Station cannot be established. Deactivates after a successful call is established with the Central Station.
General Fault
Activates when a system fault condition is detected. Deactivates after the fault has been corrected
Main Unit Low battery
Activates when the Agility battery has insufficient reserve capacity and the voltage decreases to 6V.
AC Loss
Activates when the source of the Main Panel's AC power is interrupted. This activation will follow the delay time defined in the system control times and the **AC Off Delay Time** parameter.
Bell burglary
Activates the Programming Output after any bell burglary alarm in any partition in the system.
Scheduler
The programming output will follow the predefined time programming that is defined in the scheduler of the weekly programs for programming output activation.
Tamper
Activates the programming output when a Tamper occurs in the system.
Duress
Activates the Programming Output when a duress alarm is initiated by any user defined as duress code.
GSM Fault
Activates the programming output when there is fault in the GSM module.
Follow Partition Events:
Ready
Activates the programming output when all the selected partition(s) are in the Ready state.

I/O Expander: Output Parameters

Parameter	
Set	
Activates the programming output when the selected partition(s) is set in Full Set mode. The programming output will be activated immediately, regardless of the Exit Delay time period.	
Unset	
Activates the Programming Output when the selected partition(s) is unset.	
Alarm	
Activates the Programming Output when an alarm occurs in the selected partition(s).	
Intruder alarm	
Activates the programming output when an intrusion (Burglary) alarm occurs in the selected partition(s).	
Fire	
Activates the programming output when a fire alarm is triggered in the selected partition(s) from the keypads or a zone defined as Fire.	
Panic	
Activates the programming output when a panic alarm is triggered in the selected partition(s) from the keypads, remote controls or a zone defined as Panic.	
Special	
Activates the programming output when a special alarm is triggered in the selected partition(s) from the keypads or a zone defined as Special .	
Exit/Entry	
Activates the Programming Output when the selected partition(s) initiates an Exit/Entry Delay period.	
Zone Omit	
Activates the Programming Output when the relevant partitions are in SET or PART SET mode and any zone in the relevant partitions is omitted.	
Auto Set Alarm	
Activates the programming output when there is a not ready zone at the end of the pre- warning time during an auto-set process. The output restore shall be on Bell-Timeout or at user Unset.	
Zone Lost	
Activates the programming output when there is a lost wireless zone in the system. The output restore shall be on Bell-Timeout or at user Unset.	

I/O Expander: Output Parameters

Parameter
Part Set Follow
Activates the Programming Output when the selected partition(s) is set in Part Set mode.
Chime Follow
Activates the Programming Output following a chime sound in the selected partition(s)
Bell P. Set Off
This parameter causes the programming output to function as follows: • In Full Setting mode, the programming output will follow the bell activation in the defined partitions. • In Part Setting mode, the programming output will not be activated.
Bell
Activates the programming output when one of the defined partitions is in Alarm mode and the bell is triggered. This enables the connection of different sounders to different partitions.
Follow Zone Events:
Zone
Activates the programming output when the selected zone is tripped. The tripped zone need not be set to trigger the Programming Output.
Alarm
Activates the programming output when the selected zone causes an alarm.
Set
Activates the programming output when the selected zones are set.
Unset
Activates the programming output when the selected zones are unset.
Follow User Code:
Defines the User Code(s) for triggering the selected PO. The activation of the PO is performed from the User Activities menu. Use the key to toggle between **[Y] YES** or **[N] NO** for each user chosen to trip the designated Programming Output.
Pattern
For each output you need to define the pattern of operation. The available options are:

I/O Expander: Output Parameters

Parameter			
	Pulse N/O (Normally Open)		
	The programming output is always Deactivated (N/O) before it is triggered (pulled up). When triggered, it activates (pulled down) for the Pulse Duration specified, then deactivates automatically.		
	Latched N/O (Normally Open)		
	The Programming Output is always Deactivated (N/O) before it is triggered (pulled up). When triggered, it activates (pulled down) and remains activated (latched) until the operation is restored.		
	Pulse N/C (Normally Closed)		
	The programming output is always Activated (N/C) before it is triggered (pulled down to negative). When triggered, it deactivates for the Pulse Duration specified below and then reactivates automatically.		
	Latched N/C (Normally Close)		
	The Programming Output is always Activated (N/C) before it is triggered (pulled down to negative). When triggered, it deactivates and remains deactivated (latched) until the operation is restored.		
Activation / Deactivation			
When the programming output is following more than one partition or zone, the engineer can choose the logic of the Programming Output activation as follows: ♦ If the pattern operation of the output is defined as **Latch N/O** or **Latch N/**C, the **activation and deactivation** of the outputs can follow either after **all** the Partitions/Zones or after **any** of the Partitions/Zones. ♦ **If the Pattern** operation of the output is defined as **Pulse N/O** or **Pulse N/C**, the **activation** of the outputs can follow either after **all** the Partitions/Zones or after **any** of the Partitions/Zones. The **deactivation** operation follows the defined time period.			
Pulse Duration Length		05 sec	01-90
The time that an output defined as Pulsed N.O or Pulsed N.C will be activated. At the end of the pulse duration the output reactivates automatically.			

X-10 Outputs

The wireless I/O expander enables the system to control X – 10 devices. The I/O expander converts the information sent from the programmable programming output into the X – 10 protocol. Up to sixteen X-10 devices can be activated. These are recognized in the system as outputs 5-20.

I/O Expander: X-10 Outputs

Parameter	Default	Range
Label		
A label identifies the output in the system		
Type		
Refer to the explanation under the programming output section.		
Pattern		
Refer to the explanation under the programming output section.		
Pulse Length	05 sec	01-90
Refer to the explanation under the programming output section.		

Parameters

The following table describes the general parameters for the I/O module.

I/O Expander: Parameters

Parameter	Default	Range
Serial Number		
The internal ID number of the I/O Expander. Each wireless device has its own unique serial number.		
Controls		
I/O Expander Supervision		
Choose if the I/O Expander will be supervised or not.		
Quick Output Operation		
A user can activate a PO from the bidirectional remote control or keys on the wireless keypad without the need to enter his user code.		
X-10 House ID		
Defines the house code, which matches the code defined by the X-10 modules.		
PO DTMF Control		
The Agility enables to activate 8 programming outputs from remote DTMF phone. To operate a PO via the telephone you must assign a specific PO to a digit on the phone.		

2.3 Identification

This option provides the ability to identify the serial number of a wireless device in the system from a keypad or from the configuration software.
When using a keypad follow this procedure:

Go to **Programming → Radio Devices Menu → Identification** and press (#?). The following message appears on the keypad LCD:

```
Please start RF
identification
```

Press on the device's Learn mode. The serial number of the relevant device appears on the keypad LCD.

3. Programming: Codes Menu

The **Codes** menu provides the ability do define parameters and codes for the system users.

3.1 User

User rights can be defined by allocating each user a specific authority level and specific partitions. Up to 32 users can be defined in the system.

Codes: User Codes

Parameter	Default
Labels	
Used to define the user name. Up t o 32 characters can be used.	
Partition	
Enables you to assign the partition(s) in which all User Codes (except for the Grand Master) will operate.	
Authority Level	

Allocate an authority level to a user according to the following list:

- **User**: There are no restrictions in the number of User Codes (as long as they do not exceed the number of codes remaining in the system). The User has access to the following:
  - Setting and unsetting
  - Omitting zones
  - Viewing system status, fault, and alarm memory
  - Activating designated Programming Outputs
  - Changing his/her own User Code
  - Setting keypad's settings
- **Cleaner**: The Cleaner Code is a temporary code, which is to be immediately deleted from the system as soon as it is used to set. This code is typically used for maids, home attendants, and repairmen who must enter the premises before the owner(s) arrive. These codes are used as follows:
  - For one-time setting in one or more partitions
  - If first used to unset the system, the code may be used once for subsequent setting
- **Set Only**: There are no restrictions in the number of Set Only Codes (as long as they don't exceed the number of codes remaining in the system). Set Only Codes are useful for workers who arrive when the premises are already open, but because they are last to leave, they're given the responsibility to close the premises and set the system. The users with Set Only Codes have access for setting one or more partitions.

Codes: User Codes	
Parameter	**Default**
Duress: When coerced into unsetting the system, the user can comply with the intruder's wishes while sending a silent duress alarm to the Central Station. To do so, a special duress code must be used, which when used, will unset the system in the regular manner, while simultaneously transmitting the duress alarm. In any other situation the Duress authority level behaves as the same as the User authority level.	

3.2 Grand Master

The Grand Master Code is used by the system's owner and is the highest Authority Level. The owner can set/change the Grand Master Code.

Default: 1234

Note: In the Configuration software the Grand Master is identified as Code 00.

3.3 Engineer

The Engineer Code provides access to the Engineer Programming menu, allowing modification of all system parameters. The Engineer Code is used by the **Agility** installation company technician to program the system.

The Engineer can change the Engineer Code.

Default: 0132

3.4 Sub-Engineer

The Sub-Engineer Code allows limited access to selected parameters from the Engineer Programming menu. It is used by a technician sent by the **Agility** installation company to carry out restricted tasks defined at the time of system installation by the installation technician. The Sub-Engineer can access with his code only those programming menus predefined for his access. Default: 0232

The Sub-Engineer is prohibited to access the following parameters:

- Default Enable
- ARC Enable
- Configuration Software Enable
- Code Length
- Engineer Code

Note: In the Agility Configuration Software, the Configuration Software and ARC menus are unavailable to the sub-engineer.

3.5 Code Length

The Code Length specifies the minimum number of digits requested. Default: 4 digits

Notes:

When you change the **Code Length** parameter, all User Codes are deleted and must be re-programmed or downloaded.

For a 6-digit Code Length system, 4-digit default codes like **1-2-3-4** (Grand Master), **0-1-3-2** (Engineer), and **0-2-3-2** (Sub-Engineer) become **1-2-3-4-0-0**, **0-1-3-2-0-0**, and **0-2-3-2-0-0**, respectively.

If you change the **Code Length** back to 4 digits, the system codes are restored to the default 4-digit codes.

EN50131-3 standard specifications:

- All code length are 4 digits: xxxx
- For each digit 0-9 can be used
- All codes from 0000 to 9999 are acceptable
- Invalid codes cannot be created since after 4 digits are typed, the "Enter" is automatic. Codes are rejected when trying to create a code that does not exist.

3.6 DTMF Code

This is a telephone remote access code made up of two digits that enables entry into the system when dialing in from a remote number.

Default code=00

3.7 Parent Control

The Parent Control option is used to monitor the activity of children. This option allows all users to monitor when the children arrive home and unset the system or when they set the system in Full Set mode. With each activation/deactivation of the system a message is sent to a specified Follow Me number.

Use the key to toggle between **[Y] YES** or **[N] NO** for each user chosen to be assigned with the parent control feature.

4. Programming: Communication Menu

The **Communication** menu provides access to submenus and their related parameters that enable the system to establish communication with the ARC, Follow Me or Upload/Download.

The **Communication** menu is divided into the following sub-menus:

1. Method

2. ARC

2. Configuration Software

3. Follow-Me

4.1 Method

This option allows you to configure the parameters of the communication methods (channels) of the Agility. 3 optional communication types are available:

1. PSTN

2. GSM

3. IP

4.1.1 PSTN

The PSTN screen contains parameters for the communication of the Agility over the PSTN network

Communication Type: PSTN		
Parameter	**Default**	**Range**
Timers		
Timers related to communication through the PSTN channel		
PSTN Lost Delay	04	00-20 minutes
The time after which the system will regard the PSTN line as lost. This time also specifies the delay before reporting the event into the event log or operating a programming output that follows this event. 00 indicates no supervision of the phone line.		
Wait for Dial Tone	3	0-255 seconds
The number of seconds the system waits to detect a dial tone.		
Controls		
Alarm Line Cut		
YES: Activates the external sounders if the land line, connected to the Agility panel is cut or the telephone service is interrupted for the time defined in the **PSTN Lost** time parameter. **NO**: No activation occurs.		

Communication Type: PSTN

Parameter	Default	Range
Answering Machine Override		
YES: The Answering Machine Override is enabled, as follows: ♦ The configuration software at the alarm company calls the account. ♦ The software hangs up after one ring by the configuration operator. ♦ Within one minute, the software calls again. ♦ The system is programmed to pick up this second call on the first ring, thus omitting any interaction with the answering machine.		
Note: This feature is used to prevent interference from an answering machine with remote configuration operations.		
NO: The Answering Machine Override is disabled, and communication takes place in the standard manner.		
Parameters		
Rings to Answer	12	01 to 15
The number of rings before the system answers an incoming call		
Area code		
The system area telephone code. This code will be deleted from a telephone number while the system tries to dial the number through the GSM network.		
PBX Prefix		
A number dialed to access an outgoing line when the system is connected to a Private Branch Exchange (PBX) and not directly to a PSTN line. This number will be added automatically by the system while trying to call from a PSTN line.		

4.1.2 GSM

The GSM screen contains parameters for the communication of the system over the GSM/GPRS network.

Method: GSM

Parameter	Default	Range
Timers		
Allows to program timers related to operation with the GSM module		
GSM Lost	10 min	001-255 min
The time after which the GSM module regards the GSM network as loss. Network loss is defined as RSSI level below the level defined GSM Network Sensitivity parameter.		

Method: GSM

Parameter	Default	Range
SIM Expire	00	00-36 months

A Pre-paid SIM card has a defined life length defined by the provider. After each charging of the SIM, the user will have to manually reset the expiration time of the SIM card. A notification will be displayed on the wireless keypad when asking for status indication.

Set the SIM expiring date (in months) using the numeric keys, according to the time given by the provider.

ARC Keep Alive (Polling)	00000	0-65535 times

The time period that the system will establish automatic communication (polling) with the ARC over GPRS, in order to check the connection.

3 polling times can be defined: Primary, Secondary and Backup. For each time period define the number of units between 1- 65535. Each unit represents a time frame of 10 seconds.

Note: When using the polling feature through GPRS the ARC channel parameter must be defined as GPRS only.
The report code for ARC polling is 999 (Contact ID) or ZZ (SIA)

The use of these time periods depends on the reporting order to the ARC defined by the Report Split ARC Urgent parameter (See: [4]Communication > [2]ARC > [7]Report Split)

- **Primary**: This time period is used when the ARC channel is defined as *GPRS Only* and the Report Split parameter is <u>not</u> defined as *1st backup 2nd*.
- **Secondary**: This time period is used when the ARC 2 channel is defined as *IP→GPRS Only* and the Report Split parameter is defined as *1st backup 2nd.*
- **Backup**: This time period will be assigned to the backup channel in the following case:
  - ARC 2 channel is defined as *IP→GPRS Only*
  - Report Split parameter is defined as *1st backup 2nd*
  - The communication with ARC 1 is disconnected.

GPRS

Allows programming parameters that relate for the communication over the GPRS network.

Method: GSM

Parameter	Default	Range
Access Point Network (APN) Code		
To establish a connection to the GPRS network an APN (Access Point Name) code is required. The APN code differs from country to country and from one provider to another (the APN code is provided by your cellular provider). The system supports an APN code field of up to 30 alphanumeric characters and symbols (!, &, ? etc).		
APN User Name		
Enter APN user name (if required). The User name is provided by your provider. The system supports a user name field of up to 20 alphanumeric characters and symbols (!, &, ? etc).		
APN Password		
Enter the APN password (up to 20 alphanumeric characters and symbols.) as provided by your provider (if required).		
E-mail		
The following programming parameters are used to enable sending Follow Me event messages by e-mail through GPRS.		
Note: To enable e-mail messaging, the GPRS parameters have to be defined.		
Mail Host		
The IP address or the host name of the SMTP mail server		
SMTP Port		
The port address of the SMTP mail server		
Email address		
The Email address that identifies the system to the mail recipient .		
SMTP User Name		
A name identifying the user to the SMTP mail server. The user name field can include up to 10 alphanumeric characters and symbols (!, &, ? etc). Provision for future functionality		
SMTP Password		
The password authenticating the user to the SMTP mail server. The password can include up to 10 alphanumeric characters and symbols (!, &, ? etc). Provision for future functionality		

Method: GSM

Parameter	Default	Range
Controls		
Allows to control timers related to operation with the GSM module		
Caller ID		
The Caller ID function enables to restrict SMS remote control operations to the predefined follow me phone numbers. If the incoming number is recognized as one of the Follow Me numbers, the operation will be executed.		
Disable GSM		
YES: The system will disable the GSM/GPRS module from any activity. NO: GSM/GPRS module is enabled in the system.		
Parameters		
Allows to program timers related to the operation with the GSM module.		
SIM PIN Code		
The PIN (Personal Identity Number) code is a 4 to 8 digit number giving you access to the GSM network provider.		
Note: You can cancel the PIN code request function by inserting the SIM card into a regular mobile phone and according to the phone settings, disable this function.		
SMS Center Phone		
A telephone number of the message delivery center. This number can be obtained from the network operator.		
GSM Network Sensitivity (RSSI)		
Set the minimum acceptable network signal level (RSSI level). Options: Disabled (No troubles for low signal reception) / Low signal / High signal		
SIM Number		
The SIM phone number. The system uses this parameter to receive the time from the GSM network in order to update the system time.		

Method: GSM

Parameter	Default	Range
Prepaid SIM Card		
Allows programming parameters that will be used when a prepaid SIM card is used in the system.		
Get Credit by		
Depending on the local network provider, the user can receive the credit level of the prepaid SIM card by sending a predefined SMS command to a defined number or by calling a predefined number through the voice channel. The activation of the credit request can be done by the Grand Master. ♦ **SMS Credit Message**: Type in the message command as defined by the provider and the provider's phone number to which the credit level SMS message request will be sent. ♦ **Voice Credit**: Type in the provider's phone number to which a call will be established ♦ **Service Command**: Type in the service command message as defined by the provider		
Phone to Get Credit Message		
The provider's phone number to which the credit level SMS message request will be sent to or a call will be established, depending on the selection in the **Get Credit by** parameter.		
Phone to Receive SMS Credit Message:		
The provider's telephone number from which an automatic SMS credit status message will be sent from.		

4.1.3 IP

Communication Type: IP

Parameter	Default	Range
IP Configuration		
Obtain Automatic IP	YES	Y/N
Defines whether the IP address, which the Agility refers to, is static or dynamic. **YES**: The system refers to an IP address provided by the DHCP. **NO**: The system refers to a static IP Address.		
Panel IP		
The Agility IP address		
Subnet Mask		
The subnet mask is used to determine where the network number in an IP address ends.		

Communication Type: IP

Parameter	Default	Range
Gateway		
The IP address of the local Gateway, which enables communication settings to other LAN segments. This address is the IP address of the router connected to the same LAN segment as the Agility.		
DNS Primary		
The IP address of the primary DNS server on the network.		
DNS Secondary		
The IP address of the secondary DNS server on the network		
E-mail		
Allows programming parameters that enable the Agility to send Email messages following Follow Me events		
Mail Host		
The IP address or the Host name of the mail server.		
SMTP Port		
The port address of the SMTP mail server. Default: 00025		
E-mail address		
Agility E-mail address. Default: YourCompany.com		
SMTP User name		
If required by the mail server, fill in the Authentication User name		
SMTP User password		
If required by the mail server, fill in the Authentication User password		
Host Name		(Up to 32 characters)
IP address or a text name used to identify the Agility over the network. Default: Security System		

Communication Type: IP

Parameter	Default	Range
ARC Keep Alive (Polling)	00000	0-65535

The time period that the system will establish automatic communication (polling) with the ARC over the IP network, in order to check the connection.

3 polling times can be defined: Primary, Secondary and Backup. For each time period define the number of units between 1- 65535. Each unit represents a time frame of 10 seconds.

Note: When using the polling feature through IP, the ARC channel parameter must be defined as IP only.

The use of these time periods depends on the reporting order to the ARC defined by the Report Split ARC Urgent parameter (See: [4]Communication > [2]ARC > [7]Report Split)

- **Primary**: This time period is used when the ARC channel is defined as *IP Only* and the Report Split parameter is not defined as *1st backup 2nd*.
  Default: 00006 (60 seconds)
- **Secondary**: This time period is used when the ARC 2 channel is defined as *IP→IP Only* and the Report Split parameter is defined as *1st backup 2nd*.
  Default: 360 (3600 seconds)
- **Backup**: This time period will be assigned to the backup channel in the following case:
  - ARC 2 channel is defined as *IP→IP Only*
  - Report Split parameter is defined as *1st backup 2nd*
  - The communication with ARC 1 is disconnected.

  Default: 00006 (60 seconds)

Controls

Disable IP

YES: The system will disable the IP module from any activity.

NO: The IP module is enabled in the system

4.2 Alarm Receiving Center

The **Alarm Receiving Center** menu contains parameters that enable the system to establish communication with the ARC and transmit data.

Communication: ARC

Parameter	Default	Range
Report Type		
Type		

Defines the communication type that the system will establish with each alarm receiving center. The system can report in 3 optional communication types:

- **Voice**
- **SMS**
- **IP**

Voice

Reports to the alarm receiving center will be done through the PSTN or GSM network. Reporting by Voice can be established through different channels. The optional channels depend on the hardware installed in your system. Select the required channel as follows:

- **PSTN/GSM**: The system checks for the availability of the PSTN line. During regular operation mode all calls and data transmission are carried out using the PSTN line. In the case of fault in the PSTN line, the line is routed to the GSM line.
- **GSM/PSTN**: The panel checks for the availability of the GSM line. During regular operation mode all calls and data transmission are carried out using the GSM line. In the case of fault in the GSM line, the line is routed to the PSTN line.
- **PSTN Only**: The outgoing calls are executed through the PSTN audio channel only. Use this option for installations where no GSM line is available.
- **GSM Only**: The outgoing calls are executed through the GSM audio channel only. Use this option for installations where no PSTN line is available.

Enter the alarm receiving center telephone number including area code and special letters (if required). If calling from PBX do not include the number for outgoing line.

Function	Results
Stop dialing and wait for a new dial tone	**W**
Wait a fixed period before continuing	**,**
Send the DTMF ∗ character	**∗**
Send the DTMF # character	**#**
Delete numbers from the cursor position	**[∗] [0] simultaneously**

Communication: ARC

Parameter	Default	Range
SMS		
Events are sent to the alarm receiving center using encrypted SMS messages (128 BIT AES encryption). Each event message contains information including the account number, report code, communication format, time of event and more. The event messages are received by RISCO Group's IP/GSM Receiver Software located at the ARC site. The IP/GSM Receiver translates the SMS messages to standard protocols used by the alarm receiving center applications (For example; Contact ID).This channel requires that RISCO Group's IP/GSM receiver has to be used at the ARC side. Enter the relevant phone numbers for the ARC that will receive reports from the system. (See explanation in *Voice* type on page 4-53)		
IP		
Encrypted events are sent to the alarm receiving center over the IP or GPRS network using TCP/IP protocol. 128 BIT AES encryption is used. RISCO Group's IP/GSM Receiver Software located at the ARC site receives the messages and translates them to standard protocols used by the alarm receiving center applications (For example; Contact ID). **Note**: To enable GPRS communication the SIM card has to support GPRS channel Reporting by IP can be established through different channels. The optional channels depend on the hardware installed in your system. Select the required channel via the Configuration Software as follows: • **IP/GPRS**: The panel checks for the availability of the IP network. During regular operation mode all calls and data transmission are carried out using the IP network line. In the case of fault in the IP network, the report is routed to the GPRS network. • **GPRS/IP**: The panel checks for the availability of the GPRS network. During regular operation mode all calls and data transmission are carried out using the GPRS. In the case of fault the report is routed to the IP network. • **IP Only**: The report is executed through the IP network only. • **GPRS Only**: The report is executed through the GPRS network. Enter the relevant IP and Port numbers for the ARC that will receive reports from the system. (See *IP* and *Port*)		

Communication: ARC

Parameter	Default	Range
Accounts		

Account Number

The number that recognizes the customer at the alarm receiving center. You can define an account number for each alarm receiving center. These account numbers are the 6-digit numbers assigned by the central station.

Notes for Account Number in Contact ID Communication Format:

1. The account number will always be reported as 4 digits, for example: A number defined as 000012 will be reported as 0012
2. If more than 4 digits were defined, the system always sends the last 4 digits of the account number, for example: Account number that was defined as 123456 will be sent as 3456.
3. In Contact ID you can place digits and letters A-F. The A character is always sent as 0 for example: Account number that was defined as 00C2AB will be sent as C20B.

Notes for Account Number in SIA Communication Format:

1. Account number for SIA should be defined as a decimal number (Only digits 0..9)
2. Account number can be reported as 1 to 6 digits. To send an account number with less than 6 digits use the "0" digit, for example: For account number 1234 enter 001234. In this case the system will not send the "0" digit to the ARC.
3. In order to send the "0" digit in SIA format, located at the left side of the number, use the "A" digit instead of the "0" digit. For example, for account number 0407 enter 00A407, for a 6 digit account number such as 001207 enter AA1207**.**

Communications Format

Enables the system to contact the ARC in order to obtain details of the communication protocol used by the digital receiver for each account.

The codes are automatically uploaded when the communication format has been selected:

- **Contact ID:** The system allocates Report Codes supporting ADEMCO Contact (Point) ID
- **SIA:** The system allocates Report Codes supporting the SIA (Security Industry Association) format

Note: See Appendix A for the report codes list.

Controls

Allows to program control related to operation with the ARC.

Communication: ARC

Parameter	Default	Range
Handshake	NO	
YES: All LEDs on the Agility main unit light for one second when the handshake signal is received from the Central Station's receiver. **NO:** No indication for establishing communication with the Central Station's receiver.		
Kiss-Off Y/N	NO	
YES: All LEDs on the Agility main unit light for one second and an audible sound is emitted when the kiss-off signal is received from the Central Station's receiver. **NO:** No indication for establishing communication with the Central Station's receiver.		
Parameters		
Allows to program parameters related to operation with the ARC.		
ARC Retries	08	01-15
The number of times the system redials the ARC after failing to establish communication.		
Alarm Restore	CTO	
Specifies under what conditions an Alarm Restoral is reported. This option informs the ARC of a change in the specified condition(s) during an alarm restore. These reports need a valid Report Code. ♦ On Confirmation Time Out (CTO) - Reports the restoral of a confirmed zone at the end of the Confirmation Time Window (See page 4-57) . ♦ Follow Zone - Reports the restoral when the zone in which the alarm occurs returns to its non-violated (secured) state. ♦ At Unset - Reports the restoral when the system (or the partition in which the alarm occurs) is unset, even if the sounder has already timed out.		
ARC Timers		
Allows to program timers related to operation with the ARC.		
Periodic Test		
The Periodic Test enables you to set the time period that the system will automatically establish communication to the ARC in order to check the connection. The periodic test involves sending the account number and a valid test report code (Contact ID 602, SIA TX). Set the test time and daily interval for Periodic Test Reporting.		

Communication: ARC

Parameter	Default	Range
Abort Alarm	15 sec	0-255 sec
Defines the time delay before reporting an alarm to the ARC. If the alarm system is Unset within the Abort Window, no alarm transmission shall be sent to the ARC.		
Cancel Delay	5 min	0-255 min
If an alarm is sent in error, it is possible for the ARC to receive a Cancel Alarm Code, sent subsequently to the initial Alarm Code. This happens if a valid User Code is entered to reset the alarm in the Cancel Delay time window that starts after the defined Abort Alarm time is over.		
Note: Cancel Alarm report code should be defined.		
Listen In	120	1-240 seconds
The time duration for the alarm receiving center to Listen in and perform voice alarm verification. After this period the system hangs up the line. The ARC can expand the listen in time during the conversation by pressing the digit "1" on the telephone. In this case, the Listen In time will reset and start over again.		
Confirmation		
The confirmation times relate to the Zone Sequential Confirmation.		
Confirm Start (Confirm delay time)	0	0-120 min
Specifies that the system cannot start a sequential confirmation process until the timer has expired. This time starts when the system has set and will prevent confirmed alarms being generated in situations when a person has been accidentally locked in the building.		
Confirm Time Window	030	30-60 min
Specifies a time period that starts when an alarm is triggered for the first time. If a second alarm is triggered before the end of the confirmation time window, the system will send a confirmed alarm to the alarm receiving center.		
No Set	0	0-12 weeks
A *No Set* code will be sent to the ARC if no setting or unsetting has been established during the time defined (1-12 weeks). (0=not activated)		
Report Split		
The Report Split menu contains parameters that enable the routing of specified events to up to three ARC Receivers. (See *Appendix A Reports Codes*)		

Communication: ARC

Parameter	Default	Range
ARC Set/Unset		
Reports Setting/Unsetting (meaning Closings/Openings) events to the ARC ♦ Do not call (no report) ♦ Call 1st: Reports Openings and Closings to ARC 1 ♦ Call 2nd: Reports Openings and Closings to ARC 2 ♦ Call 3rd: Reports Openings and Closings to ARC 3 ♦ Call all: Reports Openings and Closings to all defined ARC. ♦ 1st Backup 2nd: Reports Openings and Closings to ARC 1. If communication is not established, calls ARC 2.		
ARC Urgent		
Reports urgent (alarm) events to the ARC ♦ Do not call (no report) ♦ Call 1st: Reports urgent events to ARC 1 ♦ Call 2nd: Reports urgent events to ARC 2 ♦ Call 3rd: Reports urgent events to ARC 3 ♦ Call all: Reports urgent events to all defined ARC. ♦ 1st Backup 2nd: Reports urgent events to ARC 1. If communication is not established, calls ARC 2		
ARC Non Urgent		
Reports non-urgent events (faults and test reports) to the ARC ♦ Do not call (no report) ♦ Call 1st: Reports non-urgent events to ARC 1 ♦ Call 2nd: Reports non-urgent events to ARC 2 ♦ Call 3rd: Reports non-urgent events to ARC 3 ♦ Call all: Reports non-urgent events to all defined ARC. ♦ 1st Backup 2nd: Reports non-urgent events to ARC 1. If communication is not established, calls ARC 2		

Communication: ARC

Parameter	Default	Range
Report Codes		

Enables you to view or program the codes transmitted by the system to report events (for example, alarms, faults, restores, supervisory tests, and so on) to the alarm receiving center. The codes specified for each type of event transmission are a function of the Central Station's own policies. Before programming any codes, it is important to check the Central Station protocols. Reporting codes are assigned by default, according to the selected communication format SIA or Contact ID

Assigns a specified report code for each event, based on the reporting format to the alarm receiving center. An event that is not assigned with a report code will not be reported to the alarm receiving center. For list of report events refer to *Appendix A*.

4.3 Configuration Software

The **Configuration Software** menu contains parameters that enable the configuration software to establish connection with the system.

Communication: Configuration software

Parameter	Default	Range
Security		

Enables you to set parameters for remote communication between the technician and the system using the Configuration software

Access Code	5678	

Enables you to define an Access Code that is stored in the system.

RISCO Group recommends using a different 4-digit Access Code for each installation.

In order to enable communication between the alarm company and the system the same Access Code must subsequently be entered into the corresponding account profile created for the installation in the configuration software

For successful communication, the Access Code along with the ID code must match between the configuration software and the system.

Remote ID	0001	

Defines an ID Code that serves as an extension of the Access Code.

In order to enable communication between the alarm company and the Installation, the same Remote ID code must be entered into the account profile in the configuration software.

For successful communication, the ID Code along with the Access Code must match between the Upload/Download software and the Main Panel.

Dealers often use the customer's ARC Account Number for the ID Code, but you can use any 4-digit code unique to the installation

Communication: Configuration software

Parameter	Default	Range
ARC Lock	000000	

ARC Lock is a security function used in conjunction with the configuration software. It provides greater proprietary security when viewing ARC parameters.

The same 6-digit code, which will be stored in the panel, must be entered into the corresponding account profile created for the installation in the Configuration software.

If there is no match between the ARC Lock Code defined in the Main Panel and the ARC Lock Code defined in the Configuration software, the Engineer will not have permission to change the following ARC parameters from the Configuration software:

ARC Lock, Engineer Code, ARC IP Port, ARC IP Address, ARC Phone, Default Enable, ARC Account, ARC Format, ARC Channel, ARC Backup, ARC Enable, Remote ID, Access Code.

Call Back

Call Back Enable	YES	

The call back feature requires the system to call back to a pre-programmed telephone number to which the alarm company's configuration software computer is installed. This provides more security for remote operations using the configuration software.

YES: Call back is enabled

NO: Call back is disabled

Call Back Phones

Define 3 numbers that the panel can call to perform Configuration Software communication. If no numbers have been defined, a call back can be performed to any phone. The engineer will enter a phone number when establishing communication to the panel. If at least one number has been defined, it will be the only number that the call back can be established too.

When the Configuration Software establishes communication to the panel, it sends the panel its calling phone number. (This number needs to be defined as *My Number* under the GSM and PSTN Communication menu in the Configuration Software.)

If the panel identifies one of the numbers as one of the numbers predefined in the panel, the call will hang up and the panel will call back to that same number.

Communication: Configuration software		
Parameter	**Default**	**Range**
Configuration Software Port (IP Gateway)	00000	

The IP and port address of the configuration's software PC. If you have a router connected to the PC of the configuration software then you should enter the IP of the router.

This definition will be used when there is a request to create a remote connection from the panel to the configuration software. The connection can be done over IP or GPRS.

Note: In the configuration software, under Communication→ Configuration→GPRS you should enter the IP address of the PC that the software is installed in.

4.4 Follow-Me

In addition to reporting to the alarm receiving center, the Agility has a Follow-Me feature which enables reporting a system events to a predefined follow me destinations using a voice message, SMS message or Email. Up to 16 Follow Me destinations can be defined in the system.

Parameters

Communication: Follow-Me		
Parameter	**Default**	**Range**
Label (via the Configuration Software)		
A label identifying the follow me destination		
Type		

Defines the type of reporting events to a follow me destination:

- **Voice**: Report to follow me will be done by voice message thorough the PSTN or GSM network. (See *Channel→For Voice Messaging* below). Type in the telephone number including area code or special letters for Follow Me defined as SMS or Voice.
- **SMS**: Report to follow me will be done by SMS. Each event message contains information including the system label. Event type and time. Type in the telephone number including area code or special letters for Follow Me defined as SMS or Voice.
- **E-mail**: Report to follow me will be done by e-mail thorough IP or GPRS. Each e-mail contains information including the system label. Event type and time. (See *Channel→For E-mail report* below)Type in the e-mail address for follow me destination defined as e-mail type.

Communication: Follow-Me

Parameter	Default	Range

Channel

Reporting events by Voice or Email can be established through different channels. The optional channels depend on the hardware installed in the system. Select the required channel as follows:

For Voice Messaging:

- **PSTN/GSM:** The system checks for the availability of the PSTN line. During regular operation mode voice messaging is carried out using the PSTN line. In the case of fault in the PSTN line, the line is routed to the GSM line.
- **GSM/PSTN:** The panel checks for the availability of the GSM line. During regular operation mode voice messaging is carried out using the GSM line. In the case of fault in the GSM line, the line is routed to the PSTN line.
- **PSTN Only:** The outgoing calls are executed through the PSTN audio channel only. Use this option for installations where no GSM line is available.
- **GSM Only**: The outgoing calls are executed through the GSM audio channel only. Use this option for installations where no PSTN line is available.

For E-mail report:

- **IP/GPRS:** The system checks for the availability of the IP network. During regular operation emails will be sent using the IP network line. In the case of fault in the IP network, the email is routed to the GPRS network.
- **GPRS/IP:** The system checks for the availability of the GPRS network. During regular operation mode emails will be sent using the GPRS. In the case of fault the email is routed to the IP network.
- **IP Only:** The report is executed through the IP network only.
- **GPRS Only**: The report is executed through the GPRS network

Events

Each Follow Me destination can be assigned with its own set of events. Choose the events that will be reported to each Follow Me

Event	Description	Default
Alarms		
Intruder	Intruder alarm in the system	Yes
Fire	Fire alarm in the system	Yes
Emergency	Emergency alarm in the system	Yes
Panic (S.O.S)	A panic alarm in the system	Yes
Tamper	Any tamper alarm in the system	No
Duress Alarm	Duress alarm in the system from user xx	Yes
No Movement	No movement report indication	No

Communication: Follow-Me

Parameter		Default	Range
Set/Unset			
Set	Setting operation has been performed in the system	No	
Unset	Unsetting operation has been performed in the system	No	
Parent Control	System set/unset by user/remote control defined with the Parent control feature	No	
Faults			
False Code	After 5 unsuccessful attempts of entering an incorrect code.	No	
Main Low Battery	Low battery indication from the Agility main panel (below 6V)	No	
Wireless Low Battery	Low battery indication from any wireless device in the system	No	
WL Jamming	Jamming indication in the system	No	
WL Lost	Wireless device lost. When no supervision signal is received from a wireless device	No	
AC Off	Interruption in the source of the main AC power. This activation will follow the delay time predefined in the AC Loss Delay timer	No	
PSTN Fault	PSTN lost event. If PSTN Loss Delay time period is defined, the message will be sent after the delay time	No	
IP Network	Communication fault with the IP network.	No	
GSM			
GSM Fault	General GSM fault (SIM card fault, Network availability, Network Quality, PIN code error, Module communication, GPRS password, GPRS IP fault, GPRS Connection, PUK code fault	No	
SIM Fault	Any fault with the SIM card	No	
SIM Expire	Report to Follow Me will be established 30 days before the SIM Expiration Time defined for a prepaid SIM card.	No	
SIM Credit	An automatic SMS credit message (or any other message) received from the provider's number predefined in *SMS Receive Phone* will be transferred to the Follow Me number	No	

Communication: Follow-Me

Parameter		Default Range
Environmental		
Gas Alert	Gas (natural gas) alert from a zone defined a Gas detector	No
Flood Alert	Flood alert from a zone defined as flood type	No
CO Alert	CO (Carbon Monoxide) alert from a zone defined a CO detector	No
High Temperature	High Temperature alert from a zone defined a Temperature detector	No
Low Temperature	Low Temperature alert from a zone defined a Temperature detector	No
Technical	Alert from the zone defined as Technical	No
Miscellaneous		
Zone Omit	Zone has been omitted	No
Periodic test	Follow Me test message will be established following the time defined in the Periodic Test parameter under the ARC parameters	No
Remote programming	System is in remote installation mode	No
Restore Events:		
Alarms		
Intruder Alarm	Intruder alarm in the system restored	Yes
Tamper	Tamper alarm in the system restored	No
Faults		
Main Low Battery	Low battery indication from the Agility main panel restored	No
WL Low Battery	Low battery indication from any wireless device in the system restored	No
Jamming	Jamming indication in the system restored	No
WL Lost	Wireless device lost restored	No
AC Off	Interruption in the source of the main AC power restored	No
PSTN Fault	PSTN lost event restored	No
IP Network	Communication fault in the IP restored	No
GSM Fault	General GSM fault restored	No

Communication: Follow-Me

Parameter		Default	Range
Environmental			
Gas Alert	Gas Alert restored		No
Flood Alert	Flood Alert restored		No
CO Alert	CO Alert restored		No
High Temperature	High Temperature Alert restored		No
Low Temperature	Low Temperature Alert restored		No
Technical	Technical Alert restored		No
Remote Control			
	Remote Listen	No	
	Enables the user of the follow me phone to perform remote listen and talk operation with the premises.		
	Remote program	No	
	Enables the user of the follow me phone to enter the Remote Operation menu and perform all available programming options. For more details see the User manual.		
Partition			
Assign the partitions from which events will be reported to the follow me number.			
Controls			
Allows to program control related to operation with the Follow Me			
	Unset Stop Follow Me	No	
	YES: The Follow-Me calls will stop when the partitions are unset by a user code **NO**: The Follow-Me calls will continue to be made when the partitions are unset by a user code		
Parameters			
Allows to program parameters related to operation with the Follow Me			
	Follow Me Retries	03	01-15
	The number of times the Follow Me phone number is redialed		
	Voice Message Recurrence	01	01-05
	This number of times a voice message repeats itself when establishing a call to a Follow Me number.		

Communication: Follow-Me

Parameter	Default	Range
Follow Me Periodic Test		
The Periodic Test enables you to set the time period that the system will automatically establish communication to a Follow Me destination defined with the Periodic Test event.		

5. Programming: Audio Messages Menu

This menu is used to define voice message parameters. The Audio Messages menu is divided into the following sub menus:

1. Assign Message

2. Local Message

5.1 Assign Message

The engineer can assign a voice message to a **zone**, **partition**, **output** or macro. When an event occurs this voice message will be heard accordingly.

Each message can be comprised of up to 4 words. Each word has been pre-recorded and assigned a number. When comprising a message the engineer will enter the number of each word into the message sequence. The system recognizes the numbers and sounds the words assigned to those numbers. *(See Descriptor Directory below)* For example: For the system to sound "Top Floor Guest Bedroom", the engineer must enter the following sequence: 119 050 061 019.

The table in *Appendix C: Library Voice Messages* displays the directory of the pre-recorded programming descriptors, each is identified by a 3 digit number.

Note: The first five descriptors allow for customized words specific for the client's needs. The customized words can be recorded via the telephone. Each recording is 2 seconds long.

To assign a message follow this procedure:

1. Go to Programming → Audio Messages → Assign Message.
2. Select the relevant device and go to **Define**.
3. Enter the relevant descriptor numbers (see *Appendix 3: Library Voice Messages*) and press (#?).
4. Go to **Play** to hear the message.

5.2 Local Message

Upon event occurrence, the system can announce the security situation to occupants of the premises by sounding a local announcement message. This announcement message can be enabled or disabled, per event. Enable or disable each message announcement according to your customer request.

Audio Messages: Local Messages

Parameter	Description	Default
Intruder alarm	Intruder alarm	Yes
Fire alarm	Fire alarm	Yes
Emergency	Emergency (medical) alarm	Yes

Audio Messages: Local Messages

Parameter	Description	Default
Panic alarm	Panic alarm	Yes
Tamper alarm	Tamper alarm	Yes
Environmental alert	Flood, Gas, CO or Temperature alert	Yes
Full Set	System/Partition set in Full Set	Yes
Part Set	System/Partition set in Part Set	Yes
Unset	System/Partition unset	Yes
Audible Status	Status heard when pressing the status button on the keypad/remote control	Yes
Entry / Exit	System in exit or entry delay	Yes
Auto set	System in auto set process	Yes
Output On/Off	Output activated or deactivated (Outputs defined as Follow Code)	No
Walk test	Walk test. The Agility will sound the zone number and description	Yes
No Movement	No movement message	Yes
Miscellaneous	Chime status and Macro messages	Yes

Testing menu

The following menu is used to perform tests on the system. Note that each test refers to the last time the device was activated. Tests can be performed on the following elements:

1. **Main Unit**
2. **Zone**
3. **Remote Control (Keyfob)**
4. **Keypad**
5. **Sounder**
6. **GSM**
7. **IP Unit**
8. **PO Unit**

1. Main Unit

Main Unit
Parameter
Noise Level
This feature establishes the threshold noise level of the main unit receiver. The threshold noise level can be established automatically or manually (when using a keypad). **To establish the main unit receiver's noise level:** **Automatic**: For automatic calibration select [2] **Calibrate**. After the calibration process is accomplished, the new noise threshold level is displayed. **Manual**: For manual calibration select [1] **View/Edit**. The value displayed is the last measured value. Set a new threshold level and press (#?) to confirm.
Sounder
Activates the main unit sounder.
Speaker
Sounds the local test message: "Test message". Select *Start* to activate the feature. Select *Stop* to end the test.
Battery
Displays the battery voltage of the main unit.
Version
Displays the main unit's software version.
Serial Number
Displays the main unit's serial number.

2. Zone

Zone

Parameter	Default	Range
Comm Test		0-99
Displays the results of the last measurement performed after the last transmission (last detection or last supervision signal). To receive an updated signal strength, activate the detector prior to performing the communication test. For successful communication, the strength of the signal should be higher than the noise threshold level as measured during calibration of the main unit.		
Battery Test		
Displays the results of the last battery test performed after the last transmission. OK message is displayed for a successful test. For an updated value activate the device.		
Walk Test		

Used to easily test and evaluate the operation of selected zones in your system. It is recommended to perform walk test after installing all wirless devices and also prior to performing Testing operation.
The keypad LCD displays the following information:
`Zone xx:`
`TRIP TMP TRBL`
Zone number; TRIP: Successful detection; TMP: Tamper detection and Trbl: Low battery		

Version		
This menu displays software version of the selected 2-way detector.		

3. Remote Control (Keyfob)

Remote Control

Parameter	Default	Range
Comm Test		
Displays the results of the last measurement performed after the last transmission. To receive an updated signal strength, activate the remote control prior to performing the communication test. For successful communication, the strength of the signal should be higher than the noise threshold level as measured during calibration of the main unit.		
Battery Test		
Displays the results of the last battery test performed after the last transmission. OK message is displayed for a successful test. For an updated value activate the device.		

4. Keypad

Keypad

Parameter	Default	Range
Comm Test		
Displays the results of the last measurement performed after the last transmission. To receive updated signal strength, activate the keypad prior to performing the communication test. For successful communication, the strength of the signal should be higher than the noise threshold level as measured during calibration of the main unit.		
Battery Test		
Displays the results of the last battery test performed after the last transmission. OK message is displayed for a successful test. For an updated value activate the device.		
Version		
This menu displays information regarding the keypad's version.		

5. Sounder

Sounder

Parameter	Default	Range
Comm Test		
The sounder communication test performs a communication test between the Agility and the selected sounder. The value displayed indicates the sounder's signal strength as received by the Agility. For successful communication, the strength of the signal should be higher than the noise threshold level as measured during calibration of the main unit.		
Battery Test		
Speaker batteries voltage: Tests the selected sounder’s speaker batteries voltage. Radio (Transceiver) batteries voltage: Tests the selected sounder’s radio's batteries voltage.		
Sound Test		
Activates squawk sound in the selected sounder.		

Sounder

Parameter	Default	Range
Noise Level		
This feature establishes the threshold noise level of the wireless sounder receiver. The threshold noise level can be established automatically or manually (when using a keypad). **To establish a sounder receiver's noise level:** 1. Select the sounder for which you want to calibrate its receiver. 2. For automatic calibration select [2] **Calibrate**. After the calibration process is accomplished, the new noise threshold level is displayed. 3. For manual calibration select [1] **View/Edit**. The value displayed is the last measured value. Set a new threshold level and press (#?) to confirm.		
Version		
This menu displays information regarding the sounder's version.		

6. GSM

GSM

Parameter	Default	Range
Signal (RSSI)		
Displays the signal level measured by the GSM module. (0=No signal, 5= Very high signal)		
Version		
Displays information regarding the GSM card version.		
IMEI		
View the IMEI number of the GSM module. This number is used for identification of the Agility at the RISCO IP receiver when using GSM or GPRS communication.		

7. IP Unit

IP Unit

Parameter	Default	Range
IP Address		
View the IP address of the Agility		
Version		
View the version on the IP card		

IP Unit

Parameter	Default	Range
MAC Address		
View the MAC address of the IP card. This number is used for identification of the Agility at the RISCO IP receiver when using IP communication.		

8. PO Unit

PO Unit

Parameter	Default	Range
Comm Test		
Displays the results of the last measurement performed after the last transmission. To receive an updated signal strength, activate the PO unit prior to performing the communication test. For successful communication, the strength of the signal should be higher than the noise threshold level as measured during calibration of the main unit.		
Battery Test		
Displays the results of the last battery test performed after the last transmission. OK message is displayed for a successful test. For an updated value activate the device.		
Version		
This menu displays information regarding the PO unit's version.		

Activities Menu

The engineer can perform special activities on the system via the Activities menu. Some of these activities can also be performed by the user.

Activities

Parameter	Default	Range
Main Buzzer On/Off		
Used to activate/deactivate the main unit buzzer.		
KP Sleep Time	10 seconds	00-60 seconds
Used to set the keypad's Sleep mode time. (The LCD display is turned off.)		
Sounder TMP Mute		
Used to silence an alarm initiated by a tamper from a sounder for 20 minutes. Use this option for example, when replacing the sounder battery.		
Avoid Report Programming		
Some protocols have a report code to the alarm receiving center for entering and exiting the engineer programming. To avoid the entering report and save time, this function postpones the report for two minutes during which the engineer can enter the programming menu and no report will be made.		
Omit Box Tamper		
Provides ability to omit box tamper condition. When activated and tamper condition occurs, there will be no alarm, no indication to the ARC and no record in the event log.		

Note: To enable Omit Box Tamper, both the Allow Omit and 24 Hour Omit parameters must be set to YES (refer to page 4-5 and page 4-8 for more information).

Engineer Reset		
Use this option to reset an alarm.		
Configuration Software Connect		
Enables to establish remote communication with the configuration software at a predefined location through IP or GPRS.		

Note: The location of the configuration software should be predefined under Communication→Configuration Software→IP Gateway

Firmware Update		

This option activates a firmware update process. The update can be established through IP or GPRS. The location of the new firmware should be predefined under Engineer Programming→ System→Firmware Update.

Once the communication method is selected (IP or GPRS) a special manufacturer password should be entered. Please refer to your local RISCO branch for this password.

Follow Me Menu

Follow Me

Parameter
Define
Used to define Follow Me destinations phone number or E-mail address according to its type: Voice message, SMS or E-mail
Test FM
Used to test Follow Me reporting.

Clock Menu

Clock

Parameter	Default	Range
Time + Date		
Allows the setting of the system time and date. This definition is required for setting the scheduler programming in the system.		
Scheduler		On/Off
Enables you to activate or deactivate preprogrammed schedules that were defined by your engineer. Up to 8 weekly programs can be defined in the system during which the system automatically sets / unsets or activates programming outputs.		
Note: The definition of the scheduling programs is done from the configuration software.		
Automatic Clock		
Used to get an automatic time update through the IP network or GPRS.		
Server		
Select the Internet time protocol NTP or Daytime.		
Host		
The IP address or server name.		
Port		
The server port.		
Time Zone (GMT/UTC)		
Use the key to add an hour to the GMT/UTC time. Use the key to subtract an hour from the GMT/UTC time.		

Event Log Menu

Allows the viewing of significant system events including date and time. Scroll the list using the arrow keys to view the events in the system.

Macro Menu

Programming Macro Keys

Agility enables the Engineer or Grand Master to record a series of commands and assign them to a macro. When the macro is pressed, the recorded commands are executed from beginning to end. Up to 3 macros can be programmed to a system using the Agility keypad or the Agility Configuration Software.

Before programming a macro, it is recommended to perform your required series of commands, making a note of every key you press while doing so.

Note: Macros cannot be programmed to perform disarming commands.

To program a macro:

1. In the Macro menu select a macro (A, B or C) and press (#?).
2. Enter the sequence of characters according to the following table:

Key	Represents
1 2 3 4 5 6 7 8 9 0	Used to enter numerical characters
	Used to move the curser to the left
	Used to move the curser to the right
Press 1 twice	Represents the ↑ character
Press 3 twice	Represents the ↓ character
Press 4 twice	Represents the key
Press 6 twice	Represents the key
Press 7 twice	Represents the * character
Press 9 twice	Represents the # character
* and 0 simultaneously	Deletes your entry from the cursor position forward

Key	Represents
	Use to toggle between 🔓/🔒/↑/↓/#/✱ and all of the numeric characters
	Used to end the sequence and save it to memory

3. Press to save your entry.
   The series of characters is saved and assigned to the selected macro.

For example:
To set partition 1 with the code *1234*, enter the following sequence:
1 🔒 **1 2 3 4**

Activating a Macro

Press **7**/**8**/**9** on the keypad for 2 seconds to activate the macro **A**/**B**/**C** respectively. A confirmation message will be heard:
"*[Macro X] activated*".

Appendix A Report Codes

Report Codes

Parameter	Contact ID	SIA	Report Category
Alarms			
Panic alarm	120	PA	Urgent
Panic alarm restore	120	PH	Urgent
Fire alarm	115	FA	Urgent
Fire alarm restore	115	FH	Urgent
Medical alarm	100	MA	Urgent
Medical alarm restore	100	MH	Urgent
Duress alarm	121	HA	Urgent
Duress alarm restore	121	HH	Urgent
Box tamper	137	TA	Urgent
Box tamper restore	137	TR	Urgent
Confirmed alarm	139	BV	Urgent
Confirmed alarm restore	139		Urgent
Recent Close	459		Non- urgent
Main Faults			
Low battery	302	YT	Non- urgent
Low battery restore	302	YR	Non- urgent
AC loss	301	AT	Non- urgent
AC restore	301	AR	Non- urgent
Clock not set	626		Non- urgent
Clock set	625		Non- urgent
False code	421	JA	Non- urgent
False code restore	421		Non- urgent
Main phone fault	351	LT	Non- urgent
Main phone fault restore	351	LR	Non- urgent
RF Jamming	344	XQ	Non- urgent
RF Jamming restore	344	XH	Non- urgent
GSM fault	330	IA	Non- urgent
GSM fault restore	330	IR	Non- urgent

Report Codes

Parameter	Contact ID	SIA	Report Category
GSM Pre-Alarm			Non- urgent
IP Network fault			Non- urgent
IP Network trouble restore			Non- urgent
Set/Unset			
User Set	401	CL	Set/Unset
User Unset	401	OP	Set/Unset
Part Set	441	CG	Set/Unset
Unset after alarm	458	OR	Set/Unset
Keyswitch Set	409	CS	Set/Unset
Keyswitch Unset	409	OS	Set/Unset
Auto Set	403	CA	Set/Unset
Auto Unset	403	OA	Set/Unset
Remote Set	407	CL	Set/Unset
Remote Unset	407	OP	Set/Unset
Forced Set	574	CF	Set/Unset
Quick Set	408	CL	Set/Unset
No Set	654	CD	Set/Unset
Auto Set fail	455	CI	Set/Unset
Detectors(Zones)			
Burglary alarm	130	BA	Urgent
Burglary alarm restore	130	BH	Urgent
Fire alarm	110	FA	Urgent
Fire alarm restore	110	FH	Urgent
Foil alarm	155	BA	Urgent
Foil alarm restore	155	BH	Urgent
Panic alarm	120	PA	Urgent
Panic alarm restore	120	PH	Urgent
Medical alarm	100	MA	Urgent
Medical alarm restore	100	MH	Urgent
24 Hour alarm	133	BA	Urgent
24 Hour alarm restore	133	BH	Urgent

Report Codes

Parameter	Contact ID	SIA	Report Category
Entry/Exit	134	BA	Urgent
Entry/Exit restore	134	BH	Urgent
Water (Flood) alarm	154	WA	Urgent
Water (Flood) alarm restore	154	WH	Urgent
Gas alarm	151	GA	Urgent
Gas alarm restore	151	GH	Urgent
Carbon Monoxide alarm	162	GA	Urgent
Carbon Monoxide alarm restore	162	GH	Urgent
Environmental alarm	150	UA	Urgent
Environmental alarm restore	150	UH	Urgent
Low Temperature (Freeze alarm)	159	ZA	Urgent
Low Temperature restore	159	ZH	Urgent
High Temperature	158	KA	Urgent
High Temperature restore	158	KH	Urgent
Zone fault	380	UT	Urgent
Zone fault restore	380	UJ	Urgent
Burglary fault	380	BT	Urgent
Burglary fault restore	380	BJ	Urgent
Zone omit	570	UB	Urgent
Zone omit restore	570	UU	Urgent
Burglary omit	573	BB	Urgent
Burglary omit restore	573	BU	Urgent
Zone supervision loss	381	UT	Urgent
Zone supervision restore	381	UJ	Urgent
Tamper	144	TA	Urgent
Tamper restore	144	TR	Urgent
Zone lost	381	UT	Urgent
Zone lost restore	381	UJ	Urgent
Low battery	384	XT	Non- urgent
Low battery restore	384	XR	Non- urgent
Soak fail	380	UT	Urgent

Report Codes

Parameter	Contact ID	SIA	Report Category
Soak fail restore	380	UJ	Urgent
Zone Alarm	130	BA	Urgent
Zone Alarm restore	130	BH	Urgent
Zone confirm alarm	139	BV	Urgent
Zone confirm alarm restore	139		Urgent
No activity	393	NC	Urgent
No activity restore	393	NS	Urgent
Wireless Keypad			
Tamper	145	TA	Urgent
Tamper restore	145	TR	Urgent
Low battery	384	XT	Non- urgent
Low battery restore	384	XR	Non- urgent
Keypad lost	355	BZ	Urgent
Keypad lost restore	355		Urgent
Wireless Keyfob			
Set	409	CS	Set/Unset
Unset	409	OS	Set/Unset
Low battery	384	XT	Non- urgent
Low battery restore	384	XR	Non- urgent
Wireless Sounder			
Tamper	145	TA	Urgent
Tamper restore	145	TR	Urgent
Low battery	384	XT	Non- urgent
Low battery restore	384	XR	Non- urgent
Sounder lost	355	BZ	Urgent
Sounder lost restore	355		Urgent
Wireless I/O Expander			
Low battery	384	XT	Non- urgent
Low battery restore	384	XR	Non- urgent
I/O Expander lost	355	BZ	Urgent
I/O Expander lost restore	355		Urgent

Report Codes

Parameter	Contact ID	SIA	Report Category
Tamper	145	TA	Urgent
Tamper restore	145	TR	Urgent
AC fault	301	AT	Non- urgent
AC fault restore	301	AR	Non- urgent
RF Jamming	380	XQ	Urgent
RF Jamming restore	380	XH	Urgent
Miscellaneous			
Enter programming (Local)	627	LB	Set/Unset
Exit programming (Local)	628	LS (LX)	Set/Unset
Enter programming (Remote)	627	RB	Set/Unset
Exit programming (Remote)	628	RS	Set/Unset
ARC periodic test	602	RP	Non- urgent
ARC keep alive (polling)	999	ZZ	Urgent
Call back	411	RB	Non- urgent
System reset	305	RR	Urgent
Listen in begin	606	LF	Urgent
Cancel Report	406	OC	Urgent
Walk Test	607	BC	Non- urgent
Walk Test restore	607		Non- urgent
Exit Error	374		Non- urgent

Appendix B Engineer Event Log Messages

Event Message	Description
Activate PO=xx	PO XX activation
Actv PO=xx KF=zz	PO XX is activated from remote control ZZ
Alarm abort P=y	Alarm aborted on partition Y
Alarm Zone=xx	Alarm in zone no. XX
Anti-code reset	Remote reset
ARC=y call error	Communication fail fault to ARC phone no. Y
ARC=y restore	Communication fail fault restore to ARC phone no. Y
Auto Add GSM	GSM Module added to the main unit
Auto Add IP card	IP Module added to the main unit
Auto Add MODEM	Modem added to the main unit
Auto Del GSM	GSM Module was removed from the main unit
Auto Del IP card	IP Module removed from the main unit
Auto Del MODEM	Modem removed from the main unit
Auto test fail	Failure of zone self-test
Auto test OK	Automatic zone self-test OK
Bell tamper	Bell tamper alarm
Bell tamper rst	Bell tamper alarm restore
Box tamper	Box tamper alarm from main unit
Box tamper rst	Box tamper alarm restore
Cancel Alarm P=x	Cancel alarm event has occurred from partition X. A valid user function is entered to reset the alarm after the defined Abort alarm time
Change code=xx	Changing user code XX
Change FM=yy C=xx	Changing Follow-Me number YY by user no. XX
Change tag=xx	Changing keypad tag for user XX
Clock not set	Time is not set
Clock set C=xx	Time defined by user no. XX
CO Alarm Zn=xx	CO alert from zone XX defined as a CO detector
CO Rst. Zn=xx	CO alert restored from zone XX defined as a CO detector
Com ok IP card	Communication OK between the Agility and IP card
Comm OK Soundr=y	Communication OK between the Agility and Sounder Y
Comm. OK GSM	Communication OK between the Agility and GSM
Comm.OK I/O Mdl.	Communication OK between the Agility and I/O module
Conf. alarm P=y	Confirmed alarm occurred in partition Y
Confirm rs Z=xx	Restore zone confirmed alarm
Confirm Zone=xx	Confirmed alarm occurred from zone XX
CP reset	The control panel has reset
Date set C=xx	Date defined by user no. XX
Day F.Set:P=y	Daily set on partition Y
Day P.Set:P=y	Daily Part Setting in partition Y

Event Message	Description
Day Unset: P=y	Daily unset on partition Y
Duress C=xx	Duress alarm from user no. XX
Enter program	Entering engineer programming from keypad or configuration software
Exit Error Zn=xx	Exit error event from zone XX The zone was left open at the end of the exit time
Exit program	Exiting engineer programming from keypad or configuration software
F.Fault OK Z=xx	Restore fire alarm in zone no. XX
F.Set fail P=y	Partition Y failed to set
F.Set:P=y C=xx	Partition Y set by user no. XX
F.Set:P=y KF=zz	Partition Y set by remote control ZZ
False code	False code alarm
False code rest.	False code alarm restore
Fire fault Zn=xx	Fault in fire zone no. XX
Fire Keypad=y	Fire alarm from wireless keypad Y
Fire Zone=xx	Fire alarm in zone no. XX
Foil ok Z=xx	Restore in foil (Day) zone no. XX
Foil Zone=xx	Fault in foil (Day) zone no. XX
Forced set P=y	Partition Y is force set
Found Zone=xx	Wireless zone found, zone no. XX
Gas Alarm Zn=xx	Gas (natural gas) alert from zone XX defined as a gas detector
Gas Rst. Zn=xx	Gas (natural gas) alert restored from zone XX defined as a gas detector
GSM:IP Fault	IP address is incorrect
GSM:IP OK	IP connection OK
GSM:Mdl comm.OK	Communication between the GSM/GPRS Module and the Agility is OK
GSM: Module comm.	Internal GSM/GPRS BUS module fault
GSM:NET avail.	GSM network is not available
GSM:NET avail.OK	GSM Network is available
GSM:NET qual.OK	GSM Network quality is acceptable
GSM:NET quality	The GSM RSSI level is low
GSM:PIN code err	PIN code entered is incorrect
GSM:PIN code OK	PIN code is correct
GSM:PUK Code err	PUK code required
GSM:PUK Code OK	PUK Code entered is correct
GSM:SIM fault	SIM card missing or not properly sited
GSM:SIM OK	SIM Card in place
H.Temp rst Zn=xx	High temperature alert restored from zone XX defined as a temperature detector

Event Message	Description
High Temp. Zn=xx	High temperature alert from zone XX defined as a temperature detector
I/O: AC Fault	AC power fault on I/O module
I/O: AC Restore	AC power restore on I/O module
I/O: Battery Flt	I/O module battery fault alert
I/O: Batery Rstr	I/O module battery fault restored
I/O: Comm Restore	I/O module communication fault restored
I/O: Comm. Fault	I/O module communication fault
I/O: Jamming	I/O module jamming alert
I/O: Jamming Rstr	I/O module jamming alert restored
I/O: Lost	I/O module is regarded as lost following supervision test
I/O: Tamper	I/O module tamper alert
I/O: Tamper Rstr	I/O module tamper alert restored
I/O: Lost Restore	The Agility received a signal from I/O module after it has been regarded as lost
IPC: ARC=x Error	Communication failure to ARC X over IP network
IPC: ARC=x OK	Communication to ARC X over IP network is OK
IPC: DHCP error	Failed to acquire an IP address from the DHCP server
IPC: DHCP ok	Succeeeded to acquire an IP address from the DHCP server
IPC: Download err	Failed to download from upgrade server
IPC: Download ok	Successful download from upgrade server
IPC: Hardware err	Internal hardware error in the IP card
IPC: Hardware ok	No hardware error in the IP card
IPC: Mail error	IP card failed to send an Email
IPC: Mail ok	IP card successfully sent an Email
IPC: Network err	Failed to connect to IP network
IPC: Network ok	Successful connection to IP network
IPC: NTP error	Failed to acquire time data from the time server
IPC: NTP ok	Succeeded to acquire time data from the time server
IPC: Upgrade err	Remote software upgrade of the IP card failed
IPC: Upgrade ok	Remote software upgrade of the IP card succeeded
Jamming OK Zn=xx	Zone XX jamming OK
Jamming restore	Wireless receiver jamming restore
Jamming Zone=xx	Zone XX jamming fault
KP=y Low Bat.Rst	Low battery fault restored from keypad Y
KP=y Low Battery	Low battery fault from keypad Y
Ksw F.Set:P=y	Partition Y is set by key switch
Ksw Unset:P=y	Partition Y is unset by key switch
L.bat rstr KF=yy	Low battery fault restore from wireless remote control YY
L.Temp rst Zn=xx	Low temperature alert restored from zone XX defined as a temperature detector
Line fault	If the phone line is cut or the DC level is under 1V

Event Message	Description
Line restore	Phone line fault restore
Lost Zone=xx	Wireless zone lost, zone no. XX
Low Bat rs Z=xx	Low battery fault restored from wireless zone no. XX
Low bat. Zn=xx	Low battery fault from wireless zone no. XX
Low bat.KF=yy	Low battery fault from wireless remote control XX
Low Temp. Zn=xx	Low temperature alert from zone XX defined as a temperature detector
Main:AC lost	Loss of AC power from the main panel
Main:AC restore	AC power restore on main panel
Main: battery rst	Low battery fault restore from the main panel
Main: low battery	Low battery fault from the main panel
Msg Box Tamper	Tamper alarm from the Listen In message box unit
Msg Box Tmp Rst.	Tamper alarm restore from the Listen In message box unit
No Com IP card	Communication failure between the Agility and IP card
No comm I/O Mdl.	Communication failure between the Agility and I/O module
No comm Soundr=y	Communication failure between the Agility and sounder Y
No comm. GSM	No communication between the GSM/GPRS Module and the Agility
Omit Box+Bell	Box + Bell tamper is omitted
Omit Fault C=xx	System faults were omitted by user XX
Omit Zone=xx	Zone no. XX is omitted
P.Set:P=y C=zz	Partition Y part set by user ZZ
P.Set: P=y KF=zz	Partition Y part set by remote control ZZ
Panic Keypad=y	Panic alarm from wireless keypad Y
Panic KF=yy	Panic alarm from remote control YY
PTM: Send Data	Load new parameters into the Agility from PTM accessory
Radio l.bat S=y	Radio low battery fault from sounder Y
Radio l.bat rS=y	Radio low battery restore from sounder Y
Remote F.Set:P=y	The system has been set from the configuration software
Remote P.Set:P=y	The system has been set in Part Set mode from the configuration software
Remote program	The system has been programmed from the configuration software
Remote Unset:P=x	Partition Y unset from the configuration software
Restore Zone=xx	Alarm restore in zone no. XX
RF Jamming	Wireless receiver jamming
Sndr=y Lost Rst	The Agility received a signal from sounder Y after it has been regarded as lost
Soak fail Z=xx	Zone XX has failed in the soak test
Sounder=y Lost	Sounder Y is regarded as lost following supervision test
Special KP=y	Special alarm from the from wireless keypad Y

Event Message	Description
Spkr l.bat rsS=y	Speaker low battery restore from sounder Y
Spkr low bat S=y	Speaker low battery fault from sounder Y
Start exit P=y	Exit time started in partition Y
Tamper I/O Mdl.	Tamper alarm from I/O module
Tamper I/O Mdl.	Tamper alarm restored from I/O module
Tamper Keypad=y	Tamper alarm from keypad ID=Y
Tamper rs Zn=xx	Tamper alarm restore on zone no. XX
Tamper rst KP=y	Keypad Y tamper restore
Tamper Sounder=y	Tamper alarm from wireless sounder Y
Tamper Zone=xx	Tamper alarm from zone no. XX
Tech alarm Zn=xx	Alarm from zone XX defined as Technical
Tech rstr Zn=xx	Alarm restored from zone XX defined as Technical
Tmp rstr Sndr=y	Tamper alarm restore from wireless sounder Y
Un-Omit Zone=xx	Zone no. XX is reinstated from omit
UnOmt Box+Bell	Box + Bell reinstated from omit
Unknown event	Unknown event alert
Unset:P=y C=zz	Partition Y unset by user ZZ
Unset: P=y KF=zz	Partition Y unset by remote control ZZ
User login C=xx	User XX has entered into programming mode. User 99 represents remote programming from the configuration software
Water Alrm Zn=xx	Flood alarm from zone no. XX
Water rstr Zn=xx	Flood alarm restore on zone no. XX
Z=xx auto bad	Zone self-test failed, zone no. XX
Z=xx auto ok	Zone self-test OK, zone no. XX
Zn=xx Fault	Zone fault event from zone XX
Zn=xx Fault OK	Zone fault event restore from zone XX

Appendix C Library Voice Messages

001	Custom
002	Custom
003	Custom
004	Custom
005	Custom

A

006	A
007	Above
008	Air conditioner
009	An
010	And
011	Apartment
012	Area
013	At
014	Attic

B

015	Baby's room
016	Back
017	Baggage
018	Balcony
019	Bar
020	Barn
021	Basement
022	Bathroom
023	Bedroom
024	Before
025	Behind
026	Bottom
027	Boy's room
028	Branch
029	Building
030	By

C

031	Cabinet
032	Cafe
033	Camera
034	Canteen
035	Ceiling
036	Cellar
037	Central Heating
038	Children
039	Classroom
040	Cleaner
041	CO
042	Computer room
043	Conference
044	Conservatory
045	Contact
046	Container
047	Control
048	Corner
049	Curtain

D

050	Desk
051	Detector
052	Device
053	Dining
054	Door
055	Down
056	Downstairs
057	Dressing
058	Drive

E

059	East
060	Element
061	Emergency
062	Engine
063	Entrance
064	Entry
065	Escape
066	Executive
067	Exit
068	External

F

069	Family
070	Fence
071	Fire
072	First
073	Flood
074	Floor
075	For
076	Foyer
077	Freezer
078	Front

G

079	Games
080	Garage
081	Garden
082	Gas
083	Gate
084	Gents
085	Girl's room
086	Glass
087	Grocery
088	Ground
089	Guest
090	Gym

H

091	Hall
092	Hallway
093	Hanger
094	High
095	House

I

096	In
097	Indoor
098	Inside
099	Interior
100	Internal
101	Is

K

102	Kitchen

L

103	Lab
104	Ladies
105	Landing
106	Laundry

107	Lavatory
108	Left
109	Library
110	Lift
111	Light
112	Living
113	Lobby
114	Low

M

115	Machine
116	Macro
117	Magnet
118	Maid's room
119	Main
120	Master
121	Medical
122	Middle
123	Motion

N

124	Near
125	New
126	North
127	Nursery

O

128	Of
129	Office
130	On
131	Outbuilding
132	Outdoor
133	Output
134	Outside

P

135	Panic
136	Partition
137	Passage
138	Patio
139	Perimeter
140	Pool
141	Porch

R

142	Rear
143	Reception
144	Refrigerator
145	Relay
146	Restaurant
147	Right
148	Roof
149	Room

S

150	Safe
151	Safety
152	Second
153	Shed
154	Shock
155	Shop
156	Shutter
157	Side
158	Site
159	Smoke
160	South
161	Space
162	Sprinkler
163	Stairs
164	Store
165	Student room
166	Study
167	Suite

T

168	Technical
169	Temperature
170	Third
171	To
172	Top
173	TV

U

174	Under
175	Up
176	Upstairs
177	Utility

V

178	Vestibule
179	Video camera

W

180	Wall
181	Warehouse
182	Washroom
183	West
184	Window

Y

185	Yard

Z

186	Zone

Numbers

187	0
188	1
189	2
190	3
191	4
192	5
193	6
194	7
195	8
196	9
197	10

Appendix D EN 50131 Compliance

Compliance Statement

Hereby, RISCO Group declares that the Agility series of central units and accessories are designed to comply with:

- EN50131-1, EN50131-3 Grade 2
- EN50130-5 Environmental class II
- EN50131-6 Type A
- UK: DD243:2004, PD 6662:2004, ACPO (Police)
- USA: FCC: Part 15B, FCC part 68
- CANADA: CS-03, DC-01

Possible logical keys calculations:

- Logical codes are codes entered at the wireless keypad to allow Level 2 (users) and Level 3 (engineer) access.
- All code lengths are 4 digits long
- 0-9 can be used for each digit.
- There are no disallowed codes - codes from 0001 to 9999 are acceptable.
- Invalid codes cannot be created due to the fact that after the code 4th digit has been pressed, "Enter" is automatically applied. Code is rejected when trying to create a non existing code.

Possible physical keys calculations:

- Physical keys are implemented in the Wireless Keyfobs.
- It is assumed that only a user possesses a Keyfobs, therefore a physical key is considered as access Level 2
- Each Keyfob has 24 bit identification code comprising 2^24 options.
- A Keyfob has to be recognized and registered by the Agility, therefore, a "write" process must be performed.
- A valid Keyfob is one "Learned" by the panel and allowing Set/Unset
- A non valid Keyfob is one not "Learned" by the panel and not allowing Set/Unset.

System Monitoring

- The main unit is monitored for AC fault, battery fault, low battery and more.
- The I/O Wireless Expander is monitored for AC fault, battery fault, low battery and more.
- All other wireless elements are monitored for low voltage battery.

Setting the Agility to comply with EN 50131 requirements

1. Access the Engineer programming mode.
2. From the [1] System menu select [5] to access the Settings menu.
3. From the Settings menu select [4] to access the Standard option.
4. Default option.
5. Select EN 50131. Once selected, the following changes will occur in the Agility software:

Report Codes

Feature	EN 50131 Compliance
Timers	
Phone Line cut delay	Immediate (0 minutes)
Entry Delay	45 seconds (maximum allowed)
AC Delay	Immediate (0 minutes)
Jamming Time	0 minutes
RX Supervision	2 hours
System Controls	
Quick Set	Set to NO
False Code Fault	Set to Yes
Forced Setting	Set to NO
Authorize Engineer	Set to YES
Override Fault	Set to NO
Restore Alarm	Set to YES
Mandatory Event Log	Set to YES
Restore Fault	Set to YES
Exit Alarm	Set to NO
20 Minutes Signal	Set to YES
Entry Delayed Alarm	Set to NO
Attenuation	Set to YES

Appendix E Installer Programming Maps

- **1) Programming**
- **2) Testing**

See programming menu on page E-2.

- 1) Main Unit
  - 1) Noise Level
  - 2) Sounder
  - 3) Speaker
  - 4) Battery
  - 5) Version
  - 6) Serial Number
- 2) Zone
  - 1) Communication Test
  - 2) Battery Test
  - 3) Walk Test
  - 4) Version
- 3) Keyfob
  - 1) Communication Test
  - 2) Battery Test
  - 3) Version
- 4) Keypad
  - 1) Communication Test
  - 2) Battery Test
  - 3) Version
- 5) Sounder
  - 1) Communication Test
  - 2) Battery Test
  - 3) Sound Test
  - 4) Noise Level
  - 5) Version
- 6) GSM
  - 1) Signal
  - 2) Version
  - 3) IMEI
- 7) IP Unit
  - 1) IP Address
  - 2) Version
  - 3) MAC address
- 8) I/O Module
  - 1) Communication Test
  - 2) Battery Test
  - 3) Version

- **3) Activities**
  - 1) Main Buzzer On/Off
  - 2) KP Sleep Time
  - 3) Sounder TMP Mute
  - 4) Avoid Report Prog
  - 5) Omit Box Tamper
  - 6) Engineer Reset
  - 7) CS Connect
  - 8) Firmware Update
- **4) Follow Me**
  - 1) Define
  - 2) Test Follow Me
- **5) Clock**
  - 1) Time and Date
  - 2) Scheduler
  - 3) Auto. Clock
  - 1) Server
    - Daytime
    - NTP
  - 2) Host
  - 3) Port
  - 4) Time Zone
- **6) Event Log**
- **7) Macro**

Installer Programming menu:

- 1) System
  - **1) Timers**
    - 1) Ex/En Delay 1
      - 1) Entry Delay 1
      - 2) Exit Delay 1
    - 2) Ex/En Delay 2
      - 1) Entry Delay 2
      - 2) Exit Delay 2
    - 3) Bell Timeout
    - 4) Bell Delay
    - 5) AC Off Delay
    - 6) Jamming Time
    - 7) RX Supervise
    - 8) TX Supervise
    - 9) Redial Wait
    - 0) More
      - 1) Swinger limit
      - 2) No Activity
      - 3) Last Exit Sound
  - **2) Controls**
    - 1) Basic
      - Quick Set
      - Allow Omit
      - Quick Status
      - False Code Fault
      - Sounder Squawk
      - Audible Panic
      - Buzzer → Bell
      - Audible Jamming
      - Exit Part Set Beep
      - Forced Setting
      - Set Pre-Warning
      - Default Enable
      - Main But: Status/Talk
      - Quick Learn
    - 2) Advanced
      - Area
      - Global Follower
      - Summer/Winter
      - 24 Hour Omit
      - Tamper Reset
      - Engineer Reset
      - Engineer Tamper
      - Low Battery Set
      - Sounder Pre-alarm
      - Bell 30/10
      - Fire Pattern

		IMQ
		Disable Incoming Call
	3) Communication	
		ARC Enable
		Configuration Software Enable
		FM Enable
	4) EN 50131	
		Authorize Engineer
		Override Fault
		Restore Alarm
		Mandatory Events
		Restore Fault
		Exit Alarm
		Entry Alarm
		20 Minutes Signal
		Attenuation
	5) DD243	
		Omit Exit/Entry
		Entry Disable
		Route Disable
		Engineer Confirmation
		Keyswitch Lock
		Entry Unset
	6) CP-01	
		Exit Restart
		Auto Part Set
		Exit Error
		3 Minutes Omit
3) Labels		
	1) System	
	2) Partition 1	
	3) Partition 2	
	4) Partition 3	
4) Sounds		
	1) Tamper Sound	
		Silent
		Bell
		Buzzer (main)
		Bell + Buzzer
		Bell/Set + Buzzer/Unset
		Bell/Set + Sil/Unset
	2) Local Alarm	
	3) Local Squawk	
	4) Ex/En Beeps	
	5) Speaker Volume	
5) Settings		
	1) Default Panel	
	2) Erase WL Device	
	3) Language	

- 4) Standard
  - EN 50131
  - DD243
  - CP-01
- **6) Service Info**
  - 1) Service Name
  - 2) Phone
- **7) Firmware Update**
  - 1) Server IP
  - 2) Server Port
  - 3) File Path

2) Radio Devices

- **1) Allocation**
  - 1) RF Allocation
  - 2) By Serial code
  - 3) Zone Allocation
- **2) Modification**
  - 1) Zones
    - 1) Parameters
      - 1) Label
      - 2) Serial No.
      - 3) Partition
      - 4) Type
      - 5) Sound
      - 6) Advanced
        - 1) Chime
        - 2) Controls
          - Supervision
          - Forced Setting
          - No Activity
          - Abort Alarm
          - LED Enable
        - 3) Detection Mode
        - 4) Sensitivity
    - 2) Alarm Confirmation
      - 1) Confirm Partition
      - 2) Confirm Zones
    - 3) Soak Test
    - 4) Zone Pairing
  - 2) Keyfobs
    - 1) Parameters

1-Way Keyfob	*2-Way Keyfob*
1) Label	1) Label
2) Serial No.	2) Serial No.
3) Partition	3) Partition
4) Button 1	4) PIN Code
5) Button 2	5) Panic Enable
6) Button 3	6) PO Button 1
7) Button 4	7) PO Button 2
	8) PO Button 3

- 2) Controls
  - Instant F. Set
  - Instant P. Set
  - Unset + Code
- 3) Parent Control
- 3) Keypads
  - 1) Parameters
    - 1) Label
    - 2) Serial No.
    - 3) Emergency Keys
    - 4) Function Key
    - 5) Output Control
  - 2) Controls
    - RF Wake-up
- 4) Sounders
  - 1) Label
  - 2) Serial Number
  - 3) Partition
  - 4) Supervision
  - 5) Volume
    - 1) Alarm
    - 2) Squawk
    - 3) Exit Entry
  - 6) Strobe (Ext.I)
    - 1) Strobe Ctrl
    - 2) Strobe Blink
    - 3) Strobe at Set
- 5) I/O Modules
  - 1) Wired Zones
    - 1) Label
    - 2) Partition
    - 3) Type
    - 4) Sound
    - 5) Advanced
      - 1) Chime
      - 2) Control
      - 3) Termination
      - 4) Loop Response
      - 5) Detection Mode
  - 2) Outputs
    - 1) Label
    - 2) Type
    - 3) Pattern
    - 4) Pulse Length
  - 3) X-10 Outputs
    - 1) Label
    - 2) Type
    - 3) Pattern
    - 4) Pulse Length
  - 4) Parameters

- 1) Serial No.
- 2) Control
  - 1) Supervision
  - 2) Quick PO/X10
- 3) X10 House ID
- 4) PO DTMF Control

3) Identification

3) Codes

1) User

- 1) Label
- 2) Partition
- 3) Authority
  - User
  - Cleaner
  - Set Only
  - Duress

2) Grand Master

3) Engineer

4) Sub-Engineer

5) Code Length

- 4 Digits
- 6 Digits

6) DTMF Code

7) Parent Control

4) Communication

1) Method

- 1) PSTN
  - 1) Timers
    - 1) PSTN Lost Delay
    - 2) Wait for Dial Tone
  - 2) Controls
    - Alarm Line Cut
    - Answer Machine Override
  - 3) Parameters
    - 1) Rings to Answer
    - 2) Area Code
    - 3) PBX Prefix
- 2) GSM
  - 1) Timers
    - 1) GSM Lost
    - 2) SIM Expire
    - 3) ARC Polling
  - 2) GPRS
    - 1) APN Code
    - 2) APN User Name
    - 3) APN Password
  - 3) Email
    - 1) Mail Host
    - 2) SMTP Port
    - 3) E-mail Address
    - 4) SMTP User Name
    - 5) SMTP Password

- 4) Controls
  - Caller ID
- 5) Parameters
  - 1) SIM PIN Code
  - 2) SMS Center Phone
  - 3) GSM RSSI
  - 4) SIM Number
- 6) Pre-Paid SIM
  - 1) Get Credit by
  - 2)SMS Receive Phone

- 3) IP
- 1) IP Configuration
  - 1) Obtain Auto IP
  - 2) Panel IP
  - 3) Subnet Mask
  - 4) Gateway
  - 5) DNS Primary
  - 6) DNS Secondary
- 2) E-mail
  - 1) Mail Host
  - 2) SMTP Port
  - 3) E-mail Address
  - 4) SMTP Name
  - 5) SMTP Password
- 3) Host Name
- 4) ARC Polling
  - 1) Primary
  - 2) Secondary
  - 3) Backup
- 5) Controls
  - Disable IP

2) Alarm Receiving Center

- 1) Report Type
  - Voice
  - SMS
  - IP
- 2) Accounts
- 3) Comm Format
  - Contact ID
  - SIA
- 4) Controls
  - Handshake
  - Kiss-Off
- 5) Parameters
  - 1) ARC Retries
  - 2) Alarm Restore
- 6) ARC Timers
  - 1) Periodic Test
  - 2) Abort Alarm
  - 3) Cancel Delay

- 4) Listen In
- 5) Confirmation
- 6) No Set
- 7) Report Split
  - 1) ARC Set/Unset
  - 2) ARC Urgent
  - 3) ARC Non Urgent
- 8) Report Codes
  - 1) Edit Codes
  - 2) Delete All

3) Configuration s/w

- 1) Security
  - 1) Access code
  - 2) Remote ID
  - 3) ARC Lock
- 2) Call Back
- 3) Config SW Port (IP Gateway)

4) Follow-Me

- 1) Define FM
  - 1) Report type
    - Voice
    - SMS
    - Email
  - 2) Events
  - 3) Restore events
  - 4) Remote control
    - Remote listen
    - Remote program
  - 5) Partition
- 2) Controls
  - Unset stop FM
- 3) Parameters
  - 1) FM Retries
  - 2) Voice Mesg Reccur.
  - 3) Periodic test

5) Audio

1) Assign Message

- 1) Zone
- 2) Partition
- 3) Output
- 4) X10 output
- 5) Macro

2) Local Message

0) Exit

Notes

Notes

RISCO Group Limited Warranty

RISCO Group and its subsidiaries and affiliates ("Seller") warrants its products to be free from defects in materials and workmanship under normal use for 24 months from the date of production. Because Seller does not install or connect the product and because the product may be used in conjunction with products not manufactured by the Seller, Seller cannot guarantee the performance of the security system which uses this product. Seller's obligation and liability under this warranty is expressly limited to repairing and replacing, at Seller's option, within a reasonable time after the date of delivery, any product not meeting the specifications. Seller makes no other warranty, expressed or implied, and makes no warranty of merchantability or of fitness for any particular purpose.

In no case shall seller be liable for any consequential or incidental damages for breach of this or any other warranty, expressed or implied, or upon any other basis of liability whatsoever.

Seller's obligation under this warranty shall not include any transportation charges or costs of installation or any liability for direct, indirect, or consequential damages or delay.

Seller does not represent that its product may not be compromised or circumvented; that the product will prevent any personal injury or property loss by burglary, robbery, fire or otherwise; or that the product will in all cases provide adequate warning or protection. Buyer understands that a properly installed and maintained alarm may only reduce the risk of burglary, robbery or fire without warning, but is not insurance or a guaranty that such event will not occur or that there will be no personal injury or property loss as a result thereof.

Consequently seller shall have no liability for any personal injury, property damage or loss based on a claim that the product fails to give warning. However, if seller is held liable, whether directly or indirectly, for any loss or damage arising under this limited warranty or otherwise, regardless of cause or origin, seller's maximum liability shall not exceed the purchase price of the product, which shall be complete and exclusive remedy against seller.

No employee or representative of Seller is authorized to change this warranty in any way or grant any other warranty.

WARNING: This product should be tested at least once a week.

Contacting RISCO Group

RISCO Group is committed to customer service and product support. You can contact us through our website www.riscogroup.com or as follows:

United Kingdom
Tel: +44-161-655-5500
technical@riscogroup.co.uk

Italy
Tel: +39-02-66590054
support@riscogroup.it

Spain
Tel: +34-91-490-2133
support-es@riscogroup.com

France
Tel: +33-164-73-28-50
support-fr@riscogroup.com

Belgium
Tel: +32-2522-7622
support-be@riscogroup.com

USA
Tel: +1-631-719-4400
support-usa@riscogroup.com

Brazil
Tel: +55-11-3661-8767
support-br@riscogroup.com

China
Tel: +86-21-52-39-0066
support-cn@riscogroup.com

Poland
Tel: +48-22-500-28-40
support-pl@riscogroup.com

Israel
Tel: +972-3-963-7777
support@riscogroup.com

All rights reserved.
No part of this document may be reproduced in any form without prior written permission from the publisher.